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R-218/66  
4 May 1967

**VITAL RECORDS COPY**

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4 May 1967

This is the ninth group of items disseminated as part of NPIC/R-218/66, Southeast Asia Activity Report, POL Facilities, North Vietnam. Eight items are included in this portion of the report, 4 newly reported sites and 4 updated items. The updated items are as follows:

Do Son Petroleum Products Storage, A19, A20, X-A19;

Yen Hau Petroleum Products Storage PUG, B21, B22, X-B21;

Cu Van Petroleum Products Storage, B43, B44, X-B43; and

Thanh Hoa Petroleum Products Storage North, C7, C8.

Each new or updated page carries the date of the covering memo directly under the NPIC report number. NPIC will continue to disseminate new and updated items on a continuing basis as photography becomes available.

Declass Review, NIMA/DoD

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25X1 DIA review(s)  
completed.

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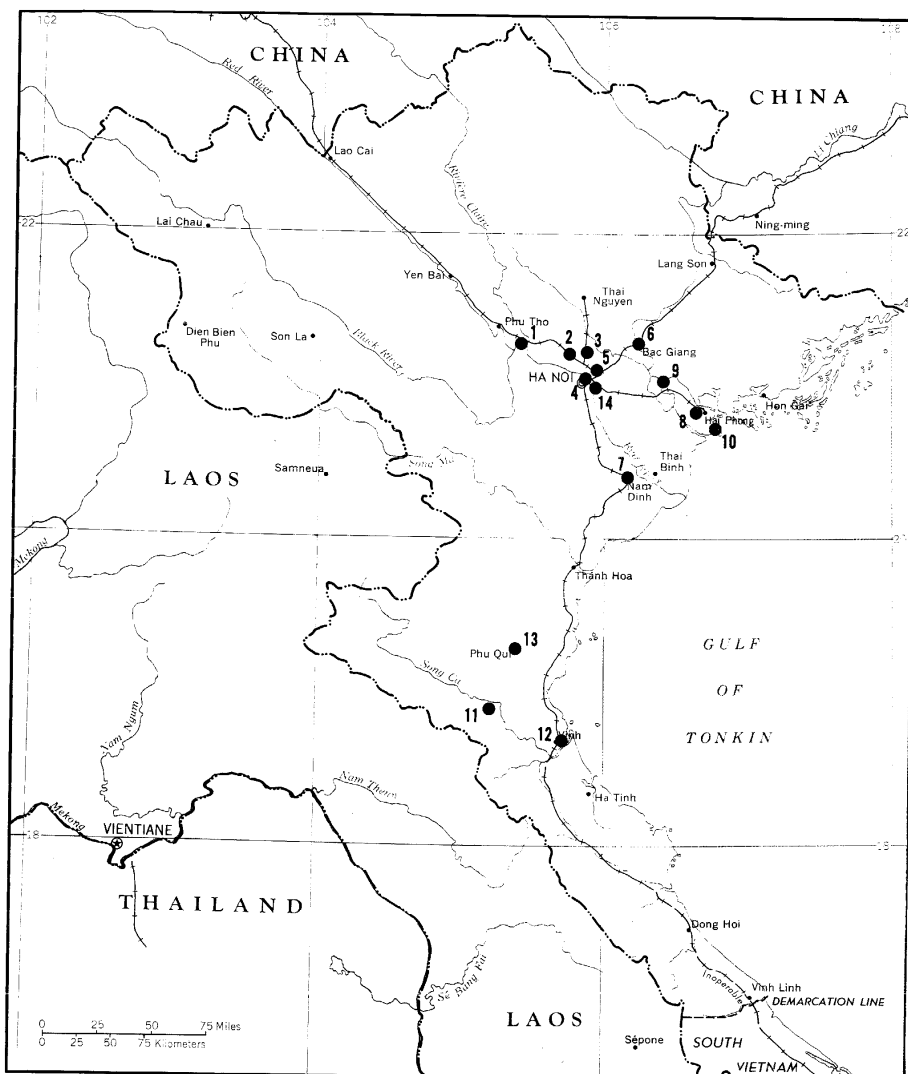
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# KEY TO CATEGORY A

## PERMANENT STORAGE AND HANDLING AREAS

1. Viet Tri Petroleum Products Storage
2. Phuoc Yen Airfield POL Storage Area
3. Ha Gia Petroleum Products Storage SSW UG
4. Ha Noi Petroleum Products Storage Thanh Am
5. Nguyen Khe Petroleum Products Storage
6. Bac Giang Petroleum Products Storage
7. Nam Dinh Petroleum Products Storage
8. Hai Phong Petroleum Products Storage
9. Duong Nham Petroleum Products Storage
10. Do Son Petroleum Products Storage
11. Phu Van POL Storage
12. Vinh Petroleum Products Storage
13. Phu Qui Petroleum Products Storage
14. Ha Noi/Gia Lam Airfield POL Storage Area

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	WJ453547 UTM COORDINATES	2117N 10526E GEOGRAPHIC COORDINATES
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**NAME:** VIET TRI PETROLEUM PRODUCTS STORAGE

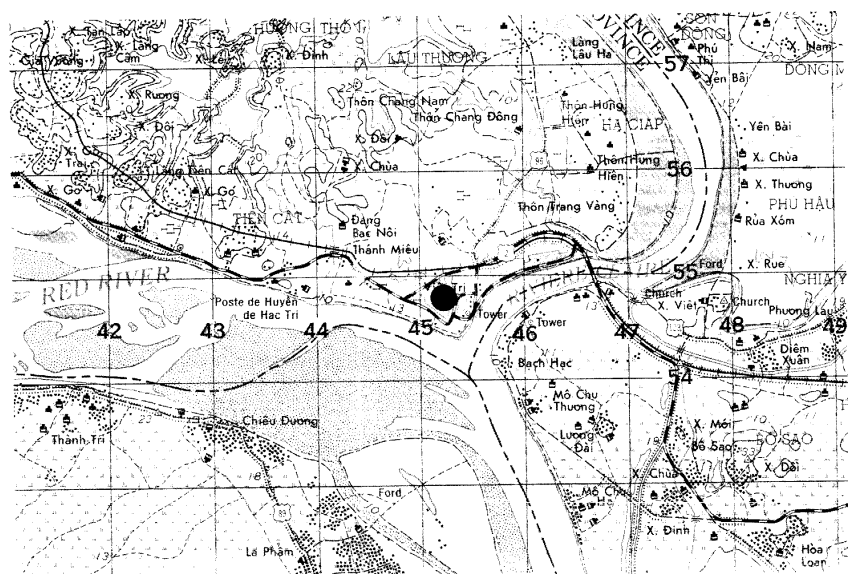
**LOCATION:** IMMEDIATELY SOUTH OF VIET TRI, AT THE CONFLUENCE OF THE RED AND CLAIRES RIVERS, 28 NM NW OF HA NOI

**DESCRIPTION:** PRIOR TO FIRST STRIKE, FACILITY CONTAINED 3 MEDIUM ABOVEGROUND, 2 MEDIUM UNDERGROUND CYLINDRICAL, AND 4 SERVICE TANKS. THE LARGE TANK OBSERVED ON PHOTOGRAPHY [REDACTED] WAS REMOVED. PHOTOGRAPHY [REDACTED] REVEALS 3 MEDIUM TANKS UNUSABLE DUE TO BOMB DAMAGE OR DISMANTLING; 1 UNDERGROUND TANK UNDAMAGED AND 1 WITH TOP SECTION UNCOVERED; AND 2 DESTROYED, 1 DAMAGED, AND 1 UNDAMAGED SERVICE TANK. APPROXIMATELY 450 DRUMS (PROBABLY EMPTY) ARE STACKED NEAR TRANSHIPMENT POINT.

**ESTIMATED CAPACITY:** PRE-STRIKE TANK 1,670 MT (EXCLUSIVE OF UNDERGROUND TANKS)  
POST-STRIKE TANK 25 MT (EXCLUSIVE OF UNDERGROUND TANKS)

**MAP REFERENCES:** AMS SERIES L701, SHEET 60/4 1, 1ST ED, JUN 65 (U)  
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

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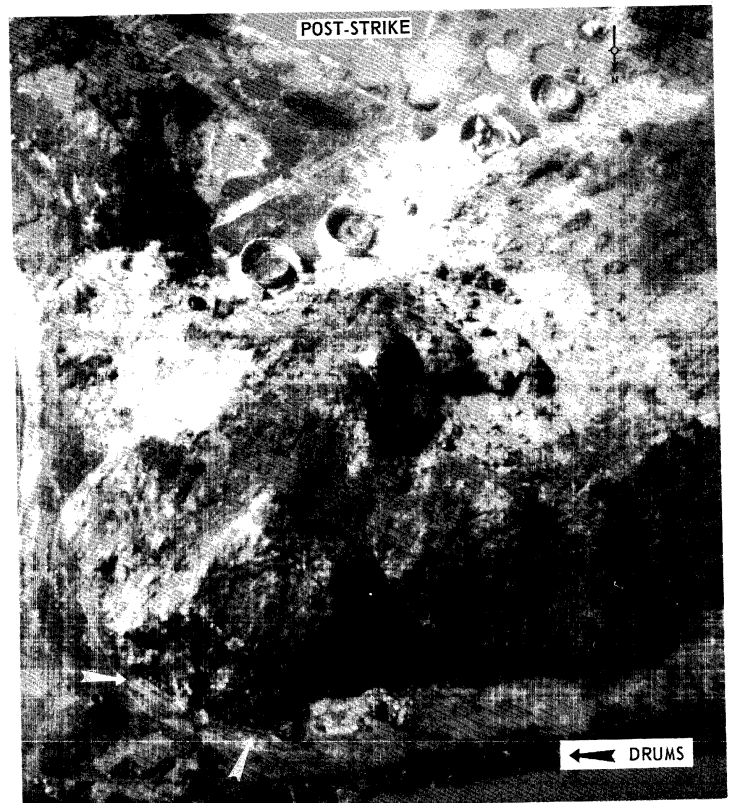
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16 November 1966

XJ572260  
UTM COORDINATES

DUONG NHAM PETROLEUM PRODUCTS STORAGE

2101N 10630E  
GEOGRAPHIC COORDINATES



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	XH871905 UTM COORDINATES	2042N 10647E GEOGRAPHIC COORDINATES
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NAME: DO SON PETROLEUM PRODUCTS STORAGE

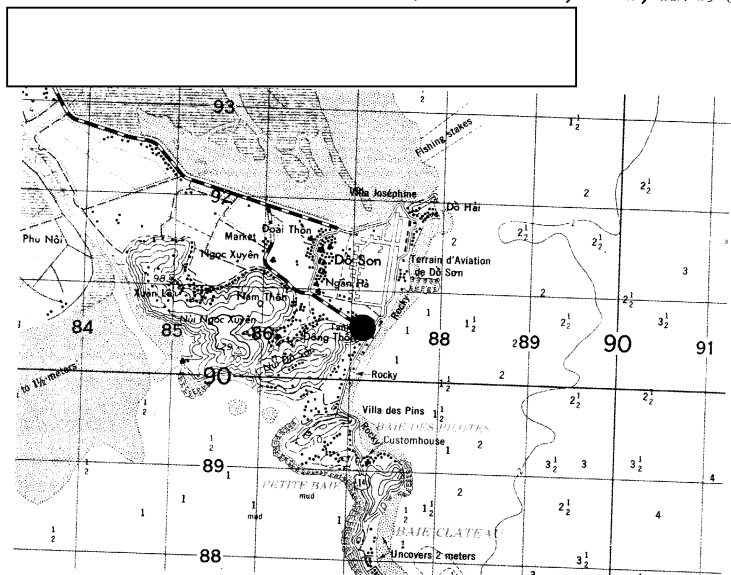
LOCATION: ON DO SON PENINSULA, 0.5 NM SE OF DO SON, AND 10.8 NM SE OF HAI PHONG

DESCRIPTION: PHOTOGRAPHY [ ] REVEALS 2 VERTICAL TANKS, EACH WITH A CIRCULAR BLAST WALL. POST-STRIKE PHOTOGRAPHY OF [ ] REVEALS 1 TANK WITH SEVERE ROOF DAMAGE AND THE OTHER WITH SUPERFICIAL ROOF DAMAGE. PHOTOGRAPHY [ ] REVEALS BOTH TANKS WITH SEVERE ROOF DAMAGE AND UNUSABLE FOR PETROLEUM STORAGE.

ESTIMATED CAPACITY: PRE-STRIKE TANK 3,400 MT  
POST-STRIKE TANK NONE

MAP REFERENCES: AMS SERIES L701, SHEET 6373-II, 1ST ED, JUN 64 (U)  
AMS SERIES JOG(G) 1501, SHEET NF 48-12, 1ST ED, JUN 65 (U)

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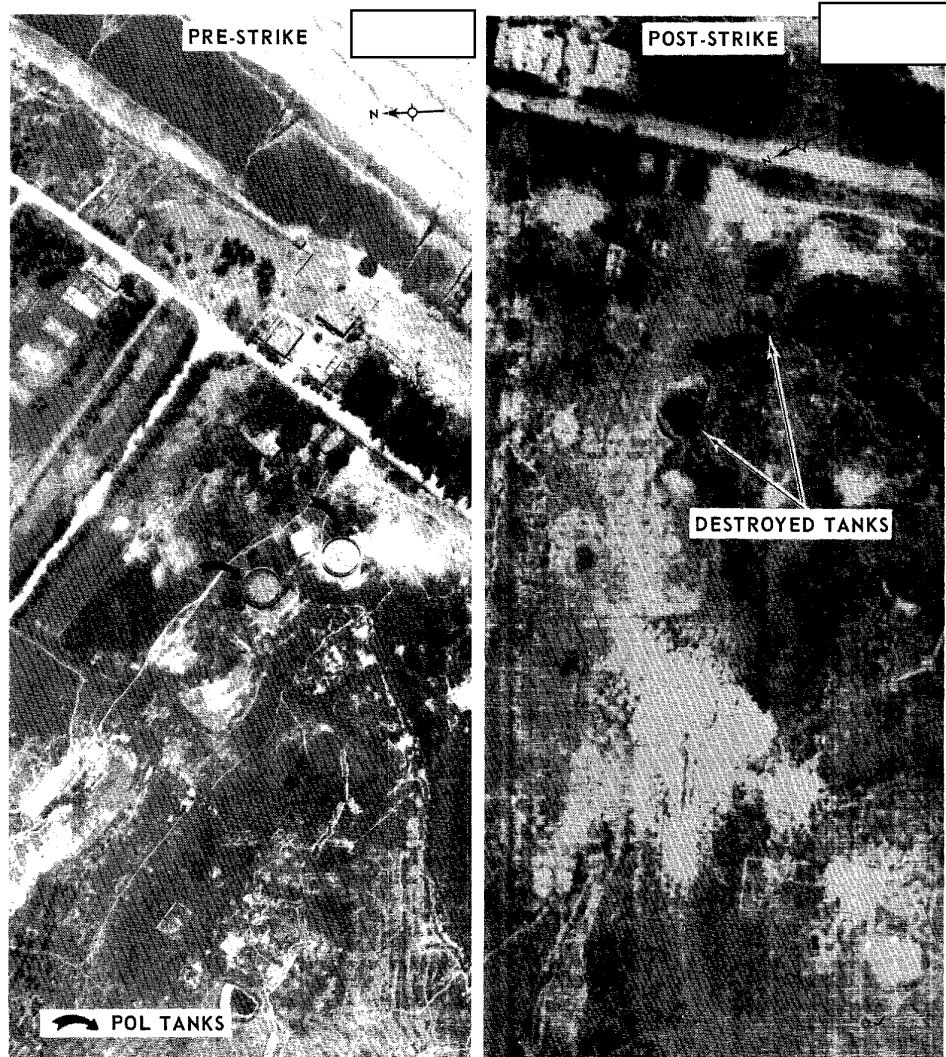
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DO SON PETROLEUM PRODUCTS STORAGE

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**NAME:** PHU VAN POL STORAGE

**LOCATION:** 2.3 NM ENE OF PHU VAN

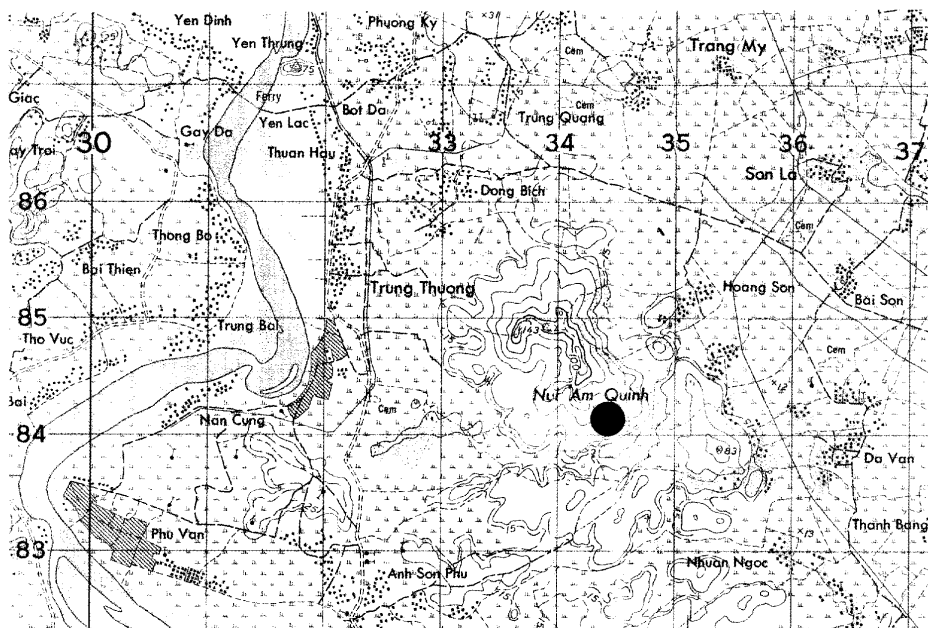
**DESCRIPTION:** PHOTOGRAPHY [REDACTED] REVEALS 14 BUNKERS, EACH WITH 6 POL TANKS, AND 3 TANKS OBSERVED IN EXCAVATIONS. PHOTOGRAPHY [REDACTED] REVEALS AREA ABANDONED WITH NUMEROUS CRATERS.

**ESTIMATED CAPACITY:** PRE-STRIKE TANK 1,000 MT, POST-STRIKE NONE

**MAP REFERENCES:** AMS SERIES L701, SHEET 6067-I, 1ST ED, JAN 61 (U)  
AMS SERIES JCG(G) 1501, SHEET NE 48-7, 1ST ED, JUN 65 (U)

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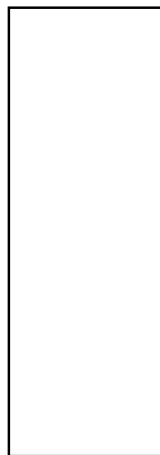
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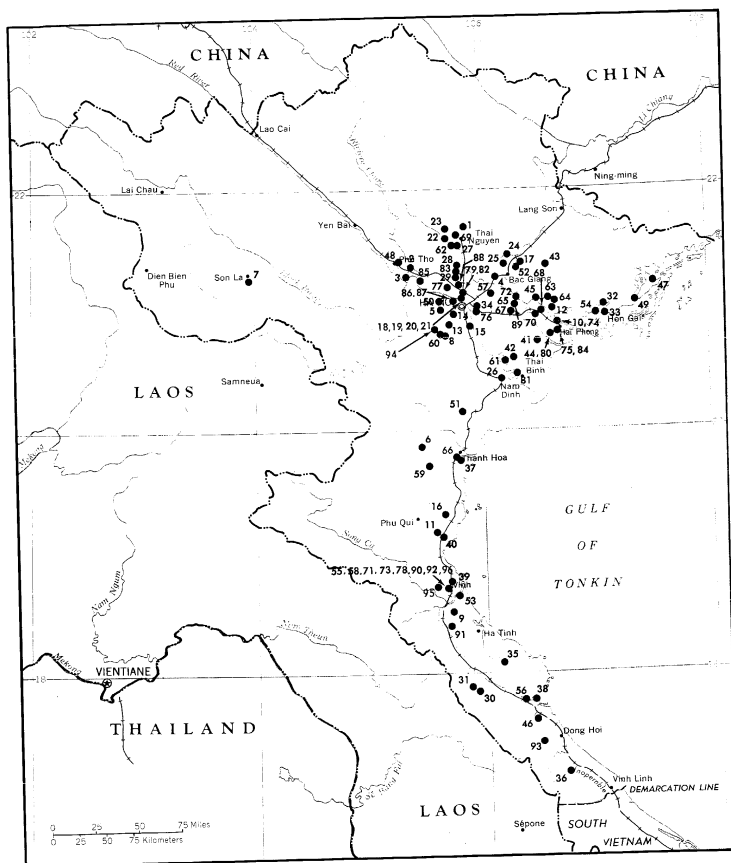
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**KEY TO CATEGORY B  
DISPERSED STORAGE AREAS**

1. La Danh Petroleum Products Storage PUG
2. Van Lung Petroleum Products Storage UG
3. Van Lung Petroleum Products Storage West UG
4. Hoang Mai POL Storage Area
5. Ha Noi Petroleum Products Thi Cam
6. Bai Thuong Petroleum Products Storage UG Southeast
7. Son La Petroleum Products Storage
8. Thuong Thon Petroleum Products Storage UG
9. Ngoc Son Petroleum Products Storage PUG
10. Thai Lai Petroleum Products Storage
11. Yen Hau Petroleum Products Storage PUG
12. Thanh Lang Petroleum Products Storage UG Thanh Liet (Area 1)
13. Ha Noi Petroleum Products Storage UG Thanh Liet (Area 2)
14. Ha Noi Petroleum Products Storage UG Thanh Liet (Area 2)
15. Bang So Petroleum Products Storage PUG
16. Son Chau Petroleum Products Storage PUG
17. Kep Petroleum Products Storage
18. Ha Noi Petroleum Products Storage Duc Noi (Area 1)
19. Ha Noi Petroleum Products Storage Duc Noi (Area 2)
20. Ha Noi Petroleum Products Storage Duc Noi (Area 3)
21. Ha Noi Petroleum Products Storage Duc Noi (Area 4)
22. Cu Van Petroleum Products Storage
23. Cu Van Petroleum Products Storage East UG
24. Dao Quan Petroleum Products Storage East
25. Dao Quan Petroleum Products Storage West
26. Nam Dinh Petroleum Products Storage PUG
27. Thai Nguyen Petroleum Products Storage PUG South
28. Phu Yen Airfield POL Storage Area 1
29. Phu Yen Airfield POL Storage Area 2
30. Xom Duong Quan Petroleum Products Storage UG East
31. Xom Duong Quan Petroleum Products Storage UG
32. Nui Tap Tinh POL Storage Area
33. Sac Le POL Storage Area
34. Phu Dong POL Storage Area
35. Thuan Le POL Storage Area
36. Phu Loc Petroleum Products Storage
37. Thanh Hoa POL Storage Area
38. Ba Don Petroleum Products Storage
39. Phu Loi Petroleum Products Storage Navy
40. Tho Trang Petroleum Products Storage
41. Ninh Giang Petroleum Products Storage
42. Viet Yen Petroleum Products Storage
43. Kep Ha Petroleum Products Storage
44. Tien Hoi Petroleum Products Storage
45. Dong Mai Petroleum Products Storage
46. Xom Lang POL Storage
47. Van Hoa POL Storage
48. Phu Lo Petroleum Products Storage NNE UG
49. Jaune Island POL Storage
50. Co Nhuc Vien Petroleum Products Storage
51. Quang Suoi Petroleum Products Storage
52. Trung Phu Petroleum Products Storage
53. Gia Hoa Petroleum Products Storage PUG
54. Bai Chay Petroleum Products Storage Yen Thinh
55. Vinh Petroleum Products Storage Yen Thinh
56. Ba Don Petroleum Products Storage UG West
57. Bac Ninh Petroleum Products Storage
58. Bac Ninh Petroleum Products Storage PUG Xuan Yen
59. Tri Binh Petroleum Products Storage
60. Xuyen Duong Petroleum Products Storage
61. Cau Cong Petroleum Products Storage UG
62. Tung Tu Petroleum Products Storage UG
63. Don Son Petroleum Products Storage
64. Quy Khe Petroleum Products Storage
65. Tran Xa Petroleum Products Storage
66. Thanh Hoa Petroleum Products Storage
67. Tram Du Petroleum Products Storage
68. Luc Nong Petroleum Products Storage
69. Thai Nguyen Petroleum Products Storage
70. Tien Nong Petroleum Products Storage
71. Vinh Petroleum Products Storage PUG Ben Thuy
72. Chi Linh Petroleum Products Storage
73. Vinh Petroleum Products Storage PUG Yen Dai
74. Hoang Pha Petroleum Products Storage
75. Kien An Petroleum Products Storage
76. Phu Thi Petroleum Products Storage
77. Phu Yen Petroleum Products Storage
78. Vinh Petroleum Products Storage North UG
79. Mach Trang Petroleum Products Storage
80. Tram Bac Petroleum Products Storage
81. Nam Lo Petroleum Products Storage
82. Ha Noi Petroleum Products Storage Duc Noi (Area 5)
83. Lai Son Petroleum Products Storage
84. Phu Xa Petroleum Products Storage
85. Hoa Loan Petroleum Products Storage
86. Tu Hoang Petroleum Products Storage
87. Tay Tu Petroleum Products Storage East
88. Nguyen Khe Petroleum Products Storage
89. Cap Dien Petroleum Products Storage
90. Vinh Petroleum Products Storage PUG North No 2
91. Xom Thap Petroleum Products Storage
92. Vinh Petroleum Products Storage North No 3
93. Cu Hap Petroleum Products Storage
94. Xuan Mai Petroleum Products Storage
95. Dong Xuan Petroleum Products Storage
96. Vinh Petroleum Products Storage SE PUG

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2139N 10550E

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GEOGRAPHIC COORDINATES

**NAME:** LA DANH PETROLEUM PRODUCTS STORAGE PUG

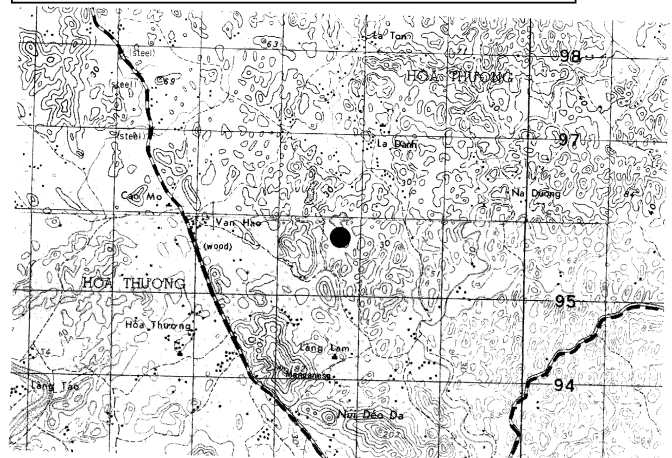
**LOCATION:** 4.1 NM NORTH OF THAI NGUYEN AND 0.8 NM EAST OF VAN HAO

**DESCRIPTION:** STORAGE AREA CONSISTS OF 2 ADJACENT SITES. EAST AREA CONTAINS APPROXIMATELY 116 BUNKERED TANKS, 6 UNBURIED MEDIUM TANKS, 15 EXCAVATIONS, AND APPROXIMATELY 4,000 DRUMS DISPERSED UNDER TREES. WEST AREA, 0.3 NM WEST, CONTAINS AT LEAST 475 DRUMS IN OPEN STORAGE AND IN 9 EXCAVATIONS AND 9 ADDITIONAL EXCAVATIONS. BOMB CRATERS ARE OBSERVED IN EACH AREA.

ESTIMATED CAPACITY: TANK 1,464 MT DRUM 895 MT

MAP REFERENCES: AMS SERIES L701, SHEET 6175-I, 1ST ED, OCT 63 (U)  
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

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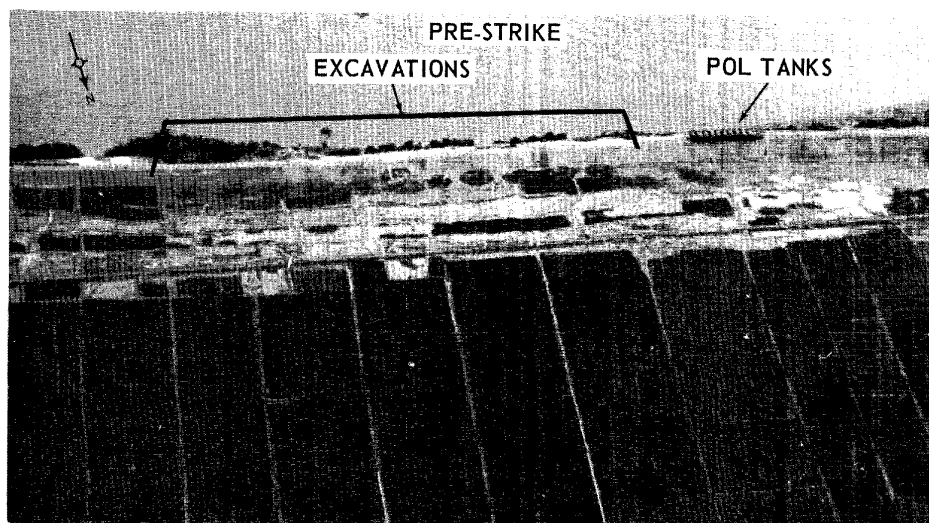
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THAI LAI PETROLEUM PRODUCTS STORAGE

XJ684143  
UTM COORDINATES

2055N 10637E  
GEOGRAPHIC COORDINATES



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WG593166  
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1908N 10534E  
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NAME: YEN HAU PETROLEUM PRODUCTS STORAGE PUG

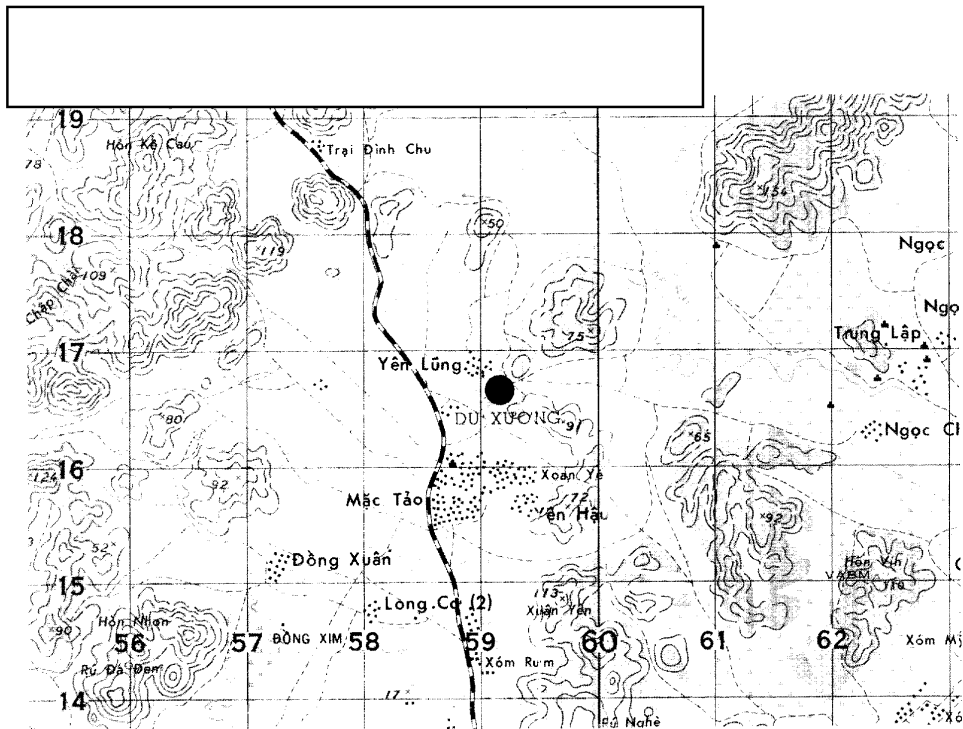
LOCATION: 0.5 NM NNW OF YEN HAU AND 0.3 NM EAST OF ROUTE 116

DESCRIPTION: PHOTOGRAPHY [REDACTED] REVEALS 50 BUNKERED TANKS, 20 OPEN EXCAVATIONS, AND APPROXIMATELY 2,000 POL DRUMS. POST-STRIKE PHOTOGRAPHY [REDACTED] REVEALS AT LEAST 26 UNDAMAGED BUNKERED TANKS, 7 ABOVEGROUND TANKS, 2 EMPTY EXCAVATIONS, AND NO DRUM STORAGE. PHOTOGRAPHY [REDACTED] REVEALS A PROBABLE ATTEMPT TO RECLAIM POL AND/OR TANKS, WITH 43 OPEN EMPTY EXCAVATIONS AND 16 UNCOVERED TANKS IN EXCAVATIONS.

ESTIMATED CAPACITY: PRE-STRIKE TANK 396 MT  
POST-STRIKE TANK 192 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6168-III, 1ST ED, NOV 62 (U)  
AMS SERIES JOG(G) 1501, SHEET NE 48-3, 1ST ED, DEC 65 (U)

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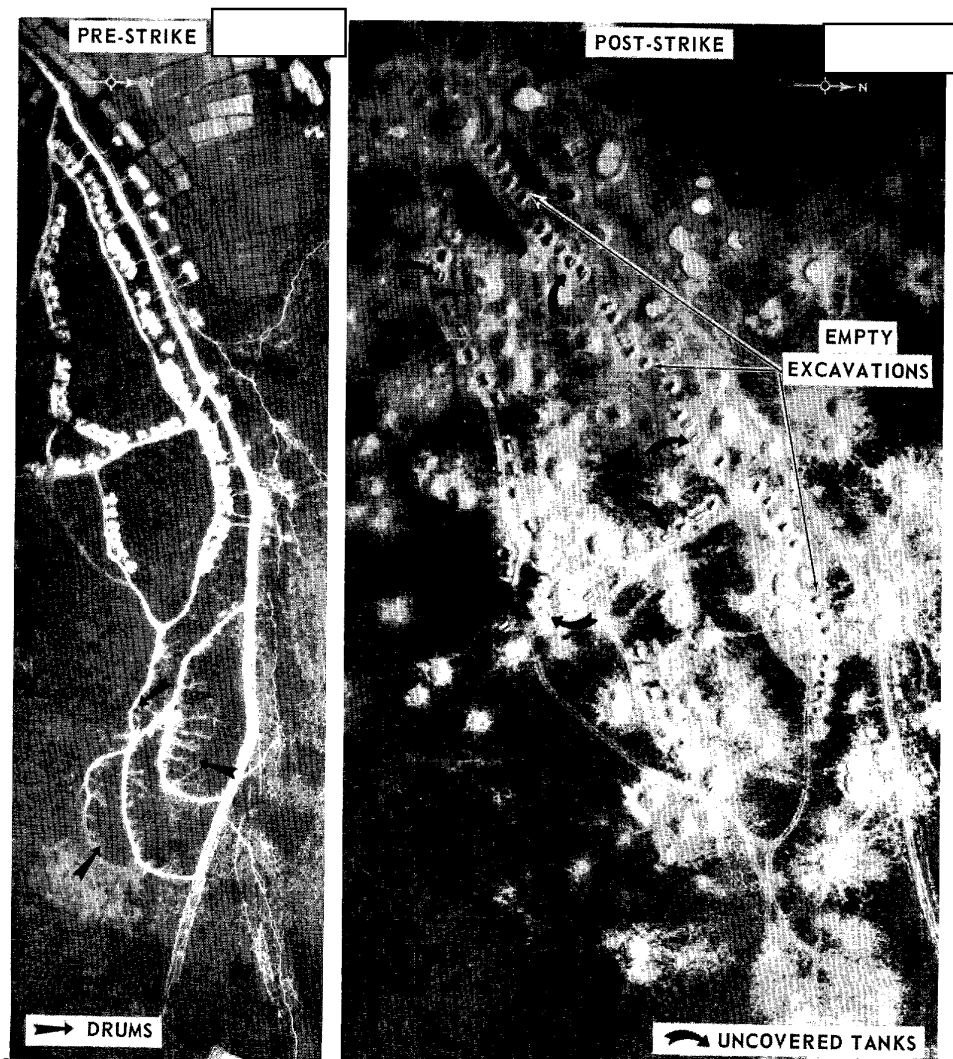
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YEN HAU PETROLEUM PRODUCTS STORAGE PUG

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1908N 10534E  
GEOGRAPHIC COORDINATES

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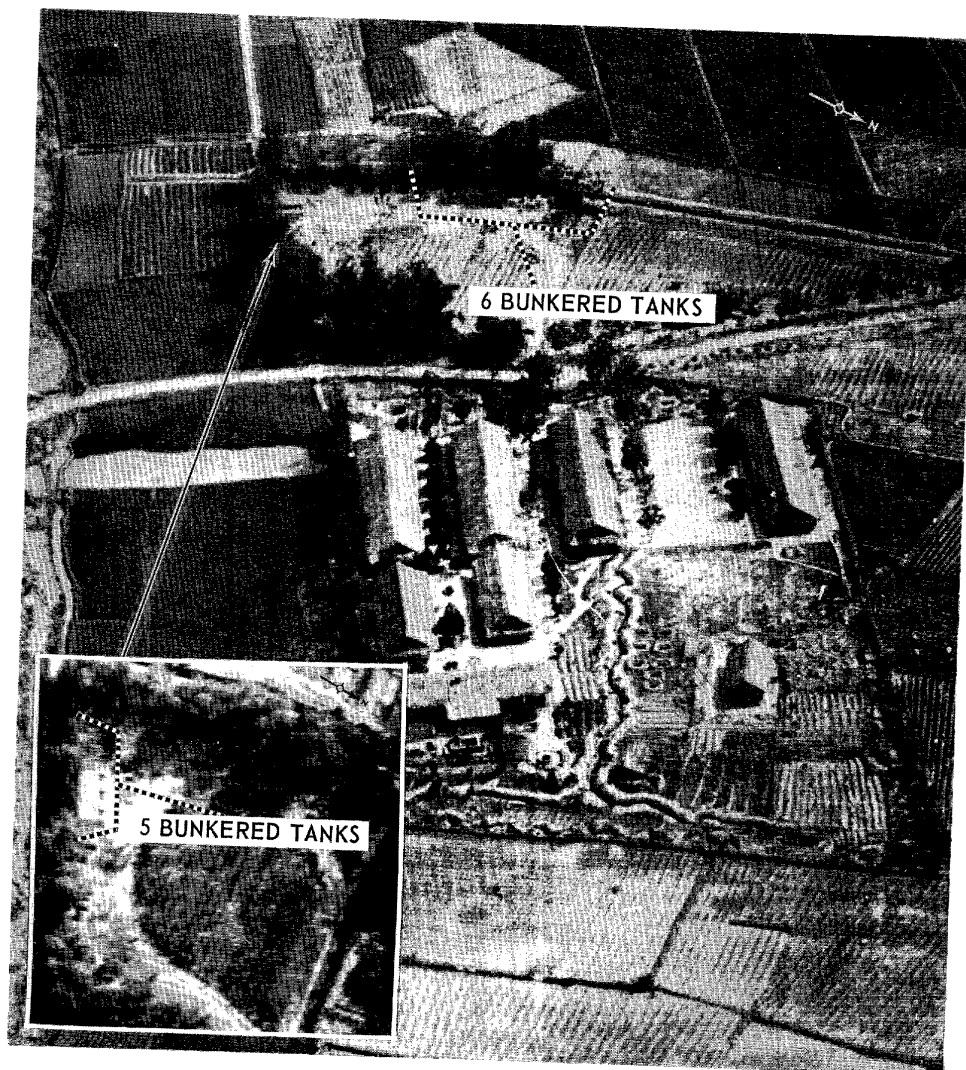


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December 1966

HA NOI PETROLEUM PRODUCTS STORAGE DUC NOI (AREA 4)  
WJ897357  
UTM COORDINATES  
2107N 10551E  
GEOGRAPHIC COORDINATES



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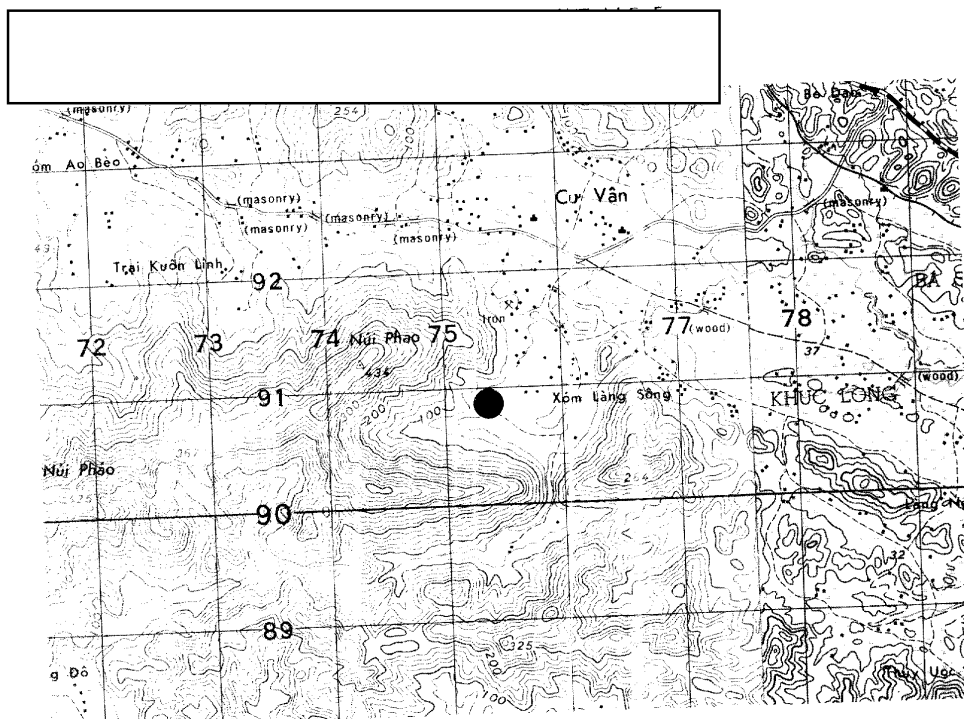
NAME: CU VAN PETROLEUM PRODUCTS STORAGE

LOCATION: 1 NM SSW OF CU VAN AND 7.1 NM NW OF THAI NGUYEN

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DESCRIPTION: PHOTOGRAPHY [REDACTED] REVEALS 94 LARGE BUNKERED TANKS ALONG  
LOOP ROAD. PHOTOGRAPHY [REDACTED] REVEALS CRATERS IN 3 AREAS AND 7 TANKS  
DESTROYED. PHOTOGRAPHY [REDACTED] REVEALS 11 TANKS UNCOVERED IN EXCAVA-  
TIONS AND 2 TANKS ABOVEGROUND, REMOVED FROM EXCAVATIONS, INDICATING A  
PROBABLE ATTEMPT TO RECLAIM POL OR REMOVE TANKS FROM THIS STORAGE SITE.  
ESTIMATED CAPACITY: PRE-STRIKE TANK 2,350 MT  
POST-STRIKE TANK 2,175 MT  
MAP REFERENCES: AMS SERIES L7014, SHEET 6175 IV, 1ST ED, SEP 63 (U)  
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JAN 65 (U)

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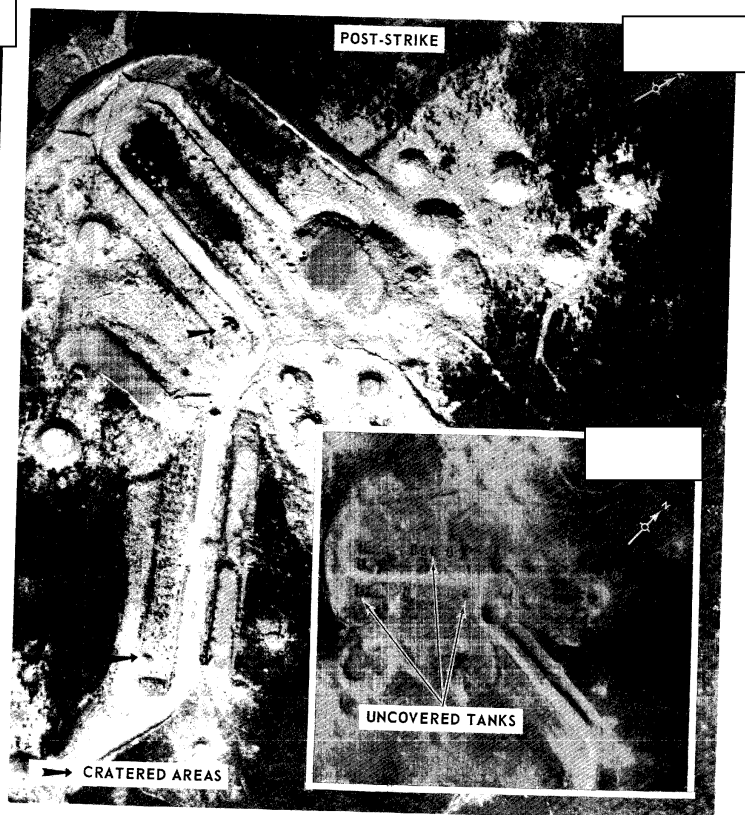
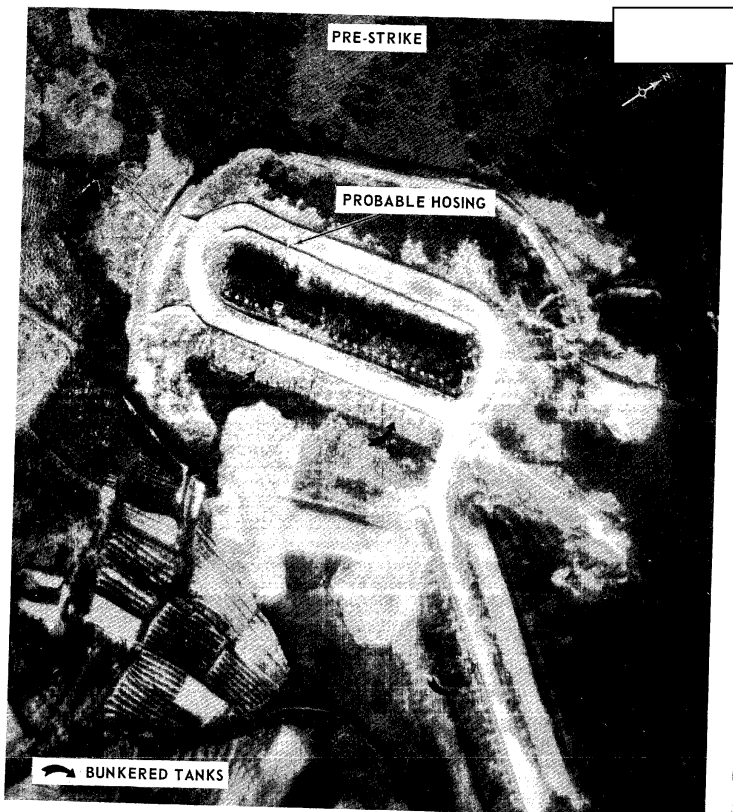
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CU VAN PETROLEUM PRODUCTS STORAGE

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NAME: CU VAN PETROLEUM PRODUCTS STORAGE EAST UG

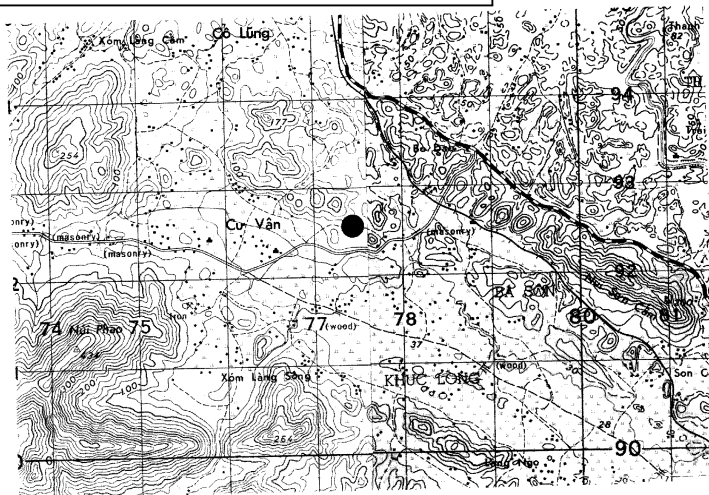
LOCATION: 0.6 NM EAST OF CU VAN AND 6.2 NM NW OF THAI NGUYEN

DESCRIPTION: AREA CONTAINS 52 LARGE BUNKERED TANKS ALONG A 0.2 NM SEGMENT OF A SECONDARY ROAD NORTH OF ROUTE 13A.

ESTIMATED CAPACITY: TANK 1,300 MT

MAP REFERENCES: AMS SERIES L701, SHEET 6175-IV, 1ST ED, SEP 63 (U)  
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

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CU HAP PETROLEUM PRODUCTS STORAGE

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1729N 10629E  
GEOGRAPHIC COORDINATES



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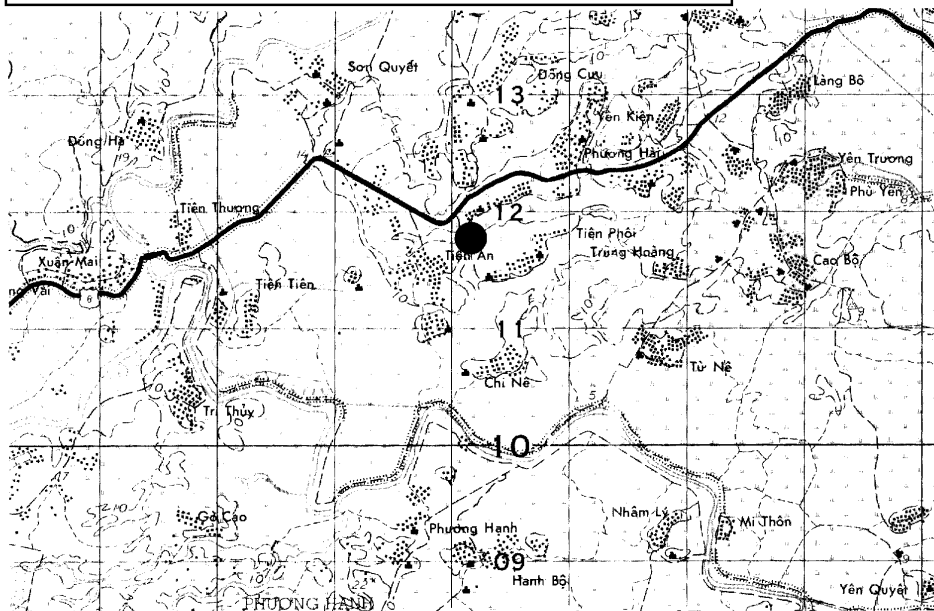
25X1C

2054N 10537E  
GEOGRAPHIC COORDINATES

**LOCATION:** 1.7 NM EAST OF XUAN MAI AND IMMEDIATELY SOUTH OF ROUTE 6

ESTIMATED CAPACITY: TANK 750 MT

25X1D



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25X1

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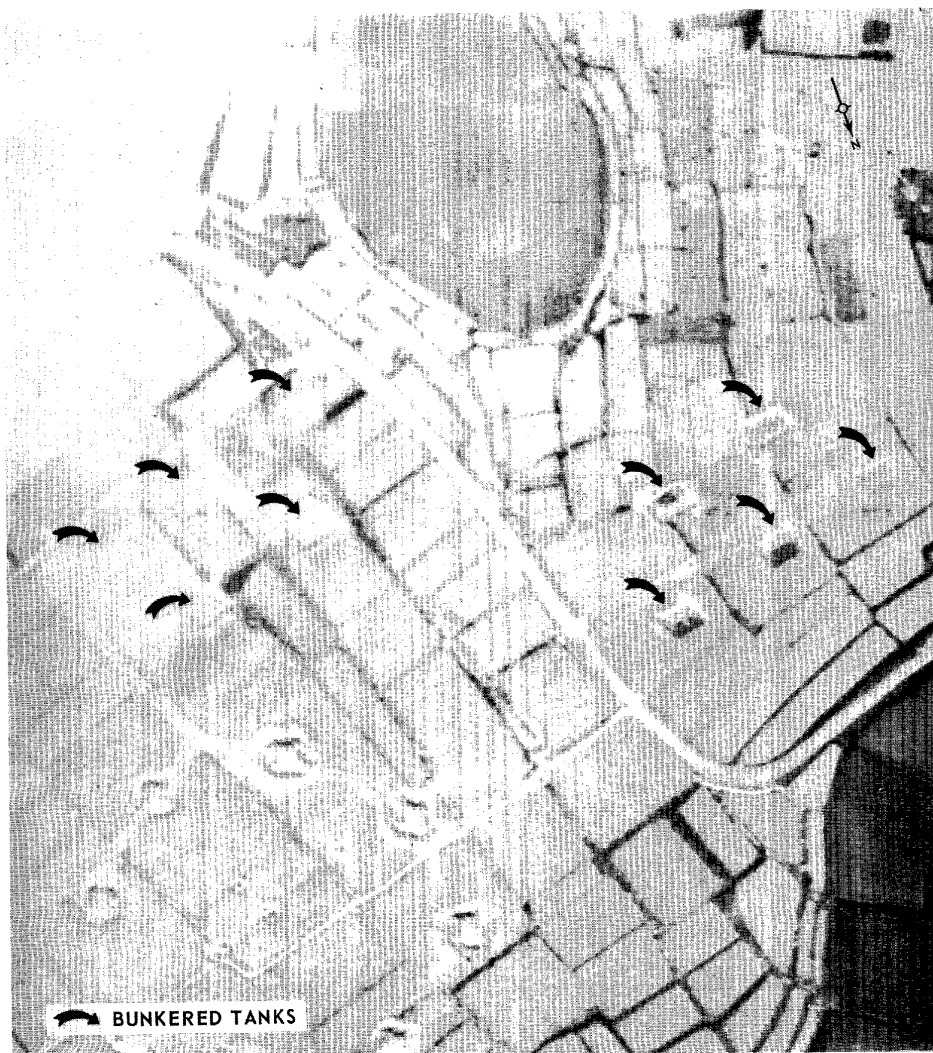
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1967

XUAN MAI PETROLEUM PRODUCTS STORAGE

WJ652117  
UTM COORDINATES

2054N 10537E  
GEOGRAPHIC COORDINATES



25X1C

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25X1C

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0617-  
BE NUMBER

WF493693  
UTM COORDINATES

1842N 10528E  
GEOGRAPHIC COORDINATES

NAME: DONG XUAN PETROLEUM PRODUCTS STORAGE

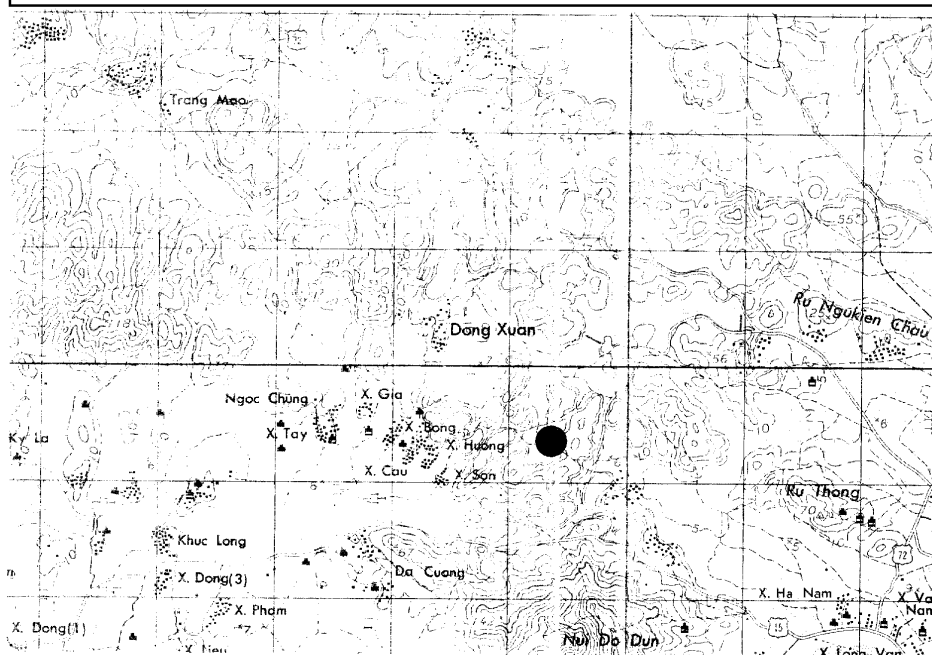
LOCATION: GENERALLY SE OF DONG XUAN, NORTH OF ROUTE 15, AND 1.5 NM NORTH OF THE SONG CA

DESCRIPTION: STORAGE AREA CONSISTS OF AT LEAST 40 SEPARATELY BUNKERED TANKS, 2 TANKS IN OPEN EXCAVATIONS, AND 15 EMPTY EXCAVATIONS, WIDELY DISPERSED ALONG A SECONDARY ROAD NETWORK BETWEEN ROUTES 15 AND 72. (ALL ITEMS ARE NOT SHOWN ON GRAPHIC.)

ESTIMATED CAPACITY: TANK 504 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6046 II, 1ST ED, 1965 (U)  
AMS SERIES JOG(G) 1501, SHEET NE 48-7, 1ST ED, JUN 65 (U)

25X1D



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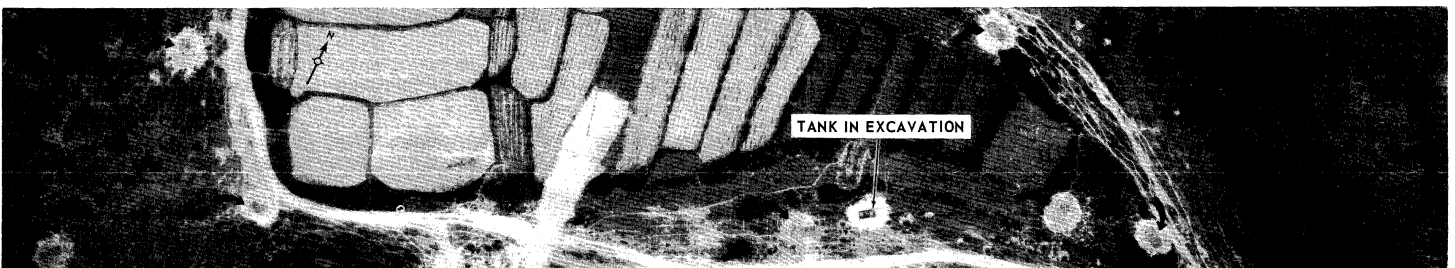
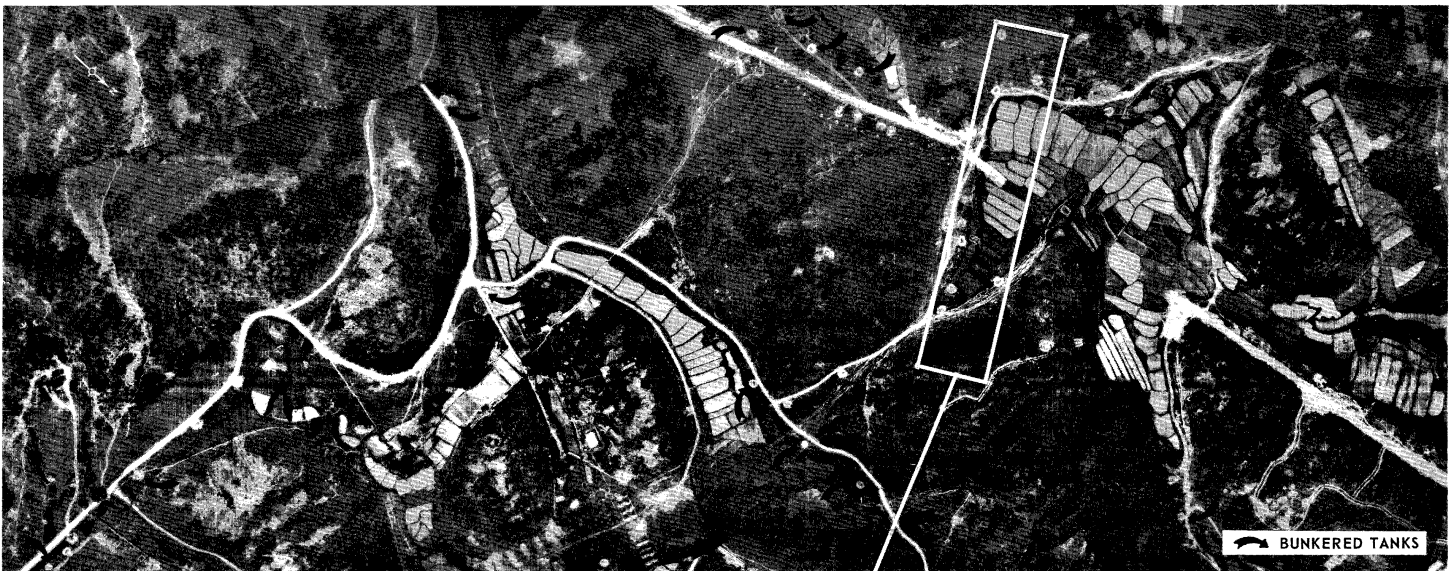
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R-218/66  
4 May 1967

WF493693  
UTM COORDINATES

DONG XUAN PETROLEUM PRODUCTS STORAGE

1842N 10528E  
GEOGRAPHIC COORDINATES



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0617-  
BE NUMBER

WF715632  
UTM COORDINATES

1839N 10540E  
GEOGRAPHIC COORDINATES

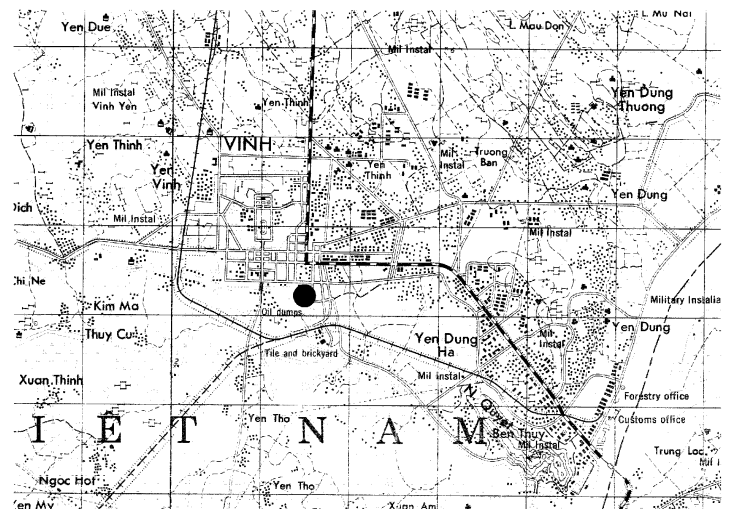
**LOCATION:** VINH CENTRAL MARKET, SE SECTION OF VINH

**DESCRIPTION:** AREA CONTAINS 6 LARGE BUNKERED TANKS WITH APPROXIMATELY ONE HUNDRED 55-GAL-TYPE DRUMS AND FIFTY 30-GAL-TYPE DRUMS STACKED ADJACENT TO STREAM.

ESTIMATED CAPACITY: TANK 150 MT DRUM 25 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6146 III, 1ST ED, 1965 (U)  
AMS SERIES JOG(G) 1501, SHEET NE 48-7, 1ST ED, JUN 65 (U)

25X1D



25X1C

8191

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25X1

25X1

25X1C Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010035-0

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VINH PETROLEUM PRODUCTS STORAGE SE PUG

WF715632  
UTM COORDINATES

1839N 10540E  
GEOGRAPHIC COORDINATES



25X1

25X1C

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25X1

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	Ky Anh POL Drum Storage	C3, C4
	Hon Gai POL Drum Storage	C5, C6
	Thanh Hoa Petroleum Products Storage North	C7, C8
	Do Son POL Drum Storage	C9, C10
	Tri Binh POL Drum Storage Area	C11, C12
	Dien Xa POL Storage	C13, C14
	Cuu Vien POL Storage Area	C15, C16

25X1C

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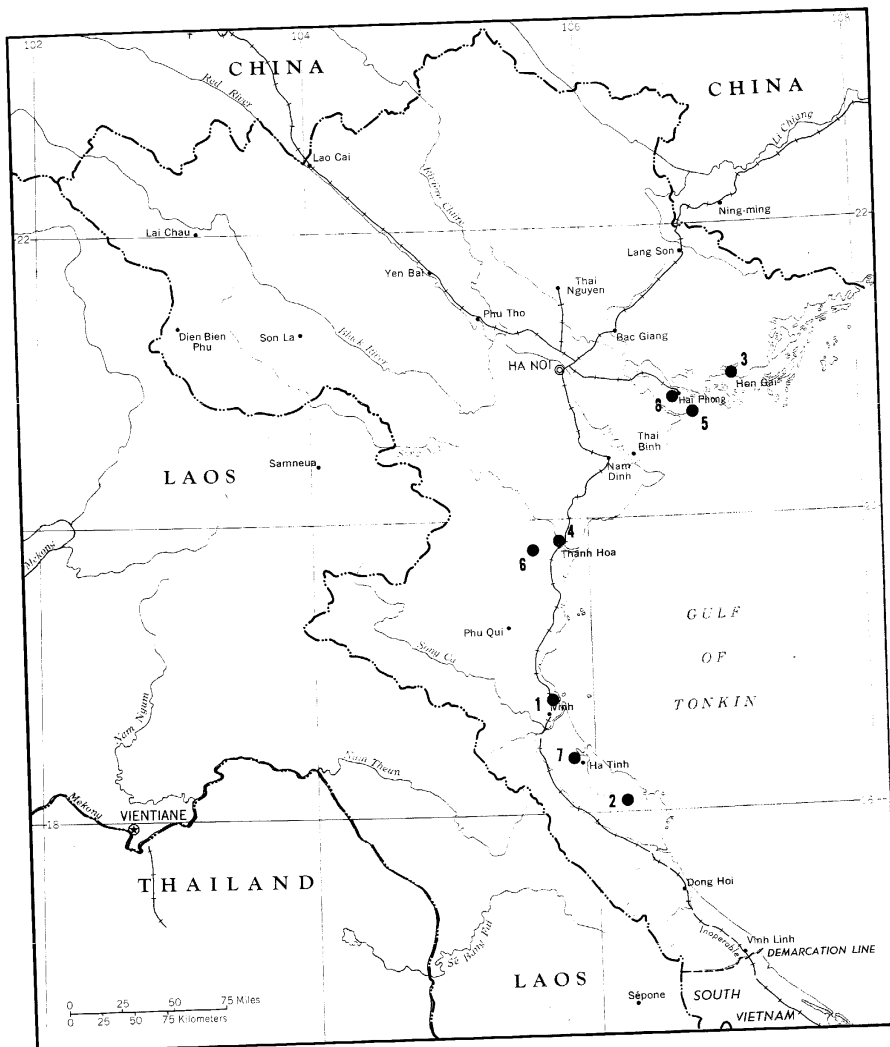
25X1C

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4 May 1967

**KEY TO CATEGORY C  
DRUM STORAGE AREAS**

1. Ky Tran POL Storage Area
2. Ky Anh POL Drum Storage
3. Hon Gai POL Drum Storage
4. Thanh Hoa Petroleum Products Storage North
5. Do Son POL Drum Storage
6. Tri Binh POL Drum Storage Area
7. Dien Xa POL Storage
8. Cuu Vien POL Storage Area



25X1C

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25X1C

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25X1

P-218/66

0617-  
BE NUMBER

WF705767  
UTM COORDINATES

1847N 10540E  
GEOGRAPHIC COORDINATES

NAME: KY TRAN POL STORAGE APEA

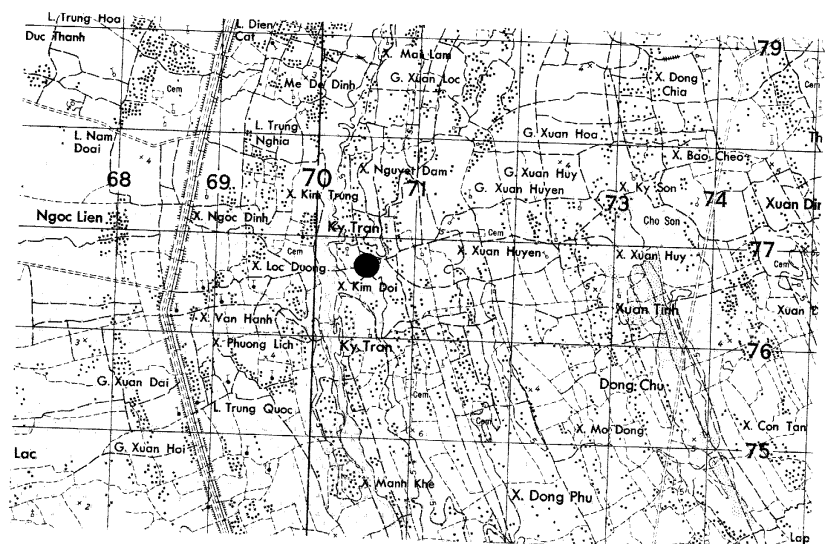
LOCATION: 0.2 NM SOUTH OF KY TRAN, 6.9 NM NORTH OF VINH, AND 1.2 NM EAST OF ROUTE 1A AND THE THANH HOA/VINH RAIL LINE

DESCRIPTION: STORAGE AREA CONSISTS OF AT LEAST 24 PARALLEL TRENCHES IN 3 LIGHTLY WOODED AREAS ALONG BOTH SIDES OF A SECONDARY ROAD JUST SOUTH OF KY TRAN. APPROXIMATELY 1,000 POL DRUMS ARE STORED IN THESE TRENCHES. THE PART OF THE AREA SHOWN IN INSET IS AT UTM WF708768.

ESTIMATED CAPACITY: DRUM 200 MT

MAP REFERENCES: AMS SERIES L701, SHEET 6167 III, 1ST ED, DEC 60 (U)  
25X1A  
AMS SERIES JOG(G), SHEET NE 48-7, 1ST ED, DEC 65 (U)

25X1D



25X1C

C1

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25X1

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1 May 1967

25X1

25X1

CU VAN PETROLEUM PRODUCTS STORAGE

25X1A

WJ754908  
UTM COORDINATES

2137N 10543E  
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE IS 1 NM SSW OF CU VAN AND 7.1 NM NW OF THAI NGUYEN. PRIOR TO STRIKE IT CONTAINED 94 LARGE BUNKERED TANKS WITH AN ESTIMATED CAPACITY OF 2,350 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

IT IS WITHIN SA-2 MISSILE RANGE (17.5 NM) OF IDENTIFIED SAM SITES. NO AAA ACTIVITY HAS BEEN IDENTIFIED WITHIN 3 NM. SPARSE HMG AND SMALL ARMS FIRE IS ANTICIPATED AGAINST AIRCRAFT.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

BOMB DAMAGE ASSESSMENT

25X1

PHOTOGRAPHY [REDACTED] REVEALS 11 TANKS UNCOVERED IN EXCAVATIONS AND 2 TANKS ABOVEGROUND REMOVED FROM EXCAVATIONS.

SEVEN TANKS WERE PROBABLY DESTROYED BY PREVIOUS STRIKES. ESTIMATED POST-STRIKE CAPACITY IS 2,175 MT.

PREPARED BY DEFENSE INTELLIGENCE AGENCY

25X1C

X-B43

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25X1

25X1

25X1C

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XUAN MAI PETROLEUM PRODUCTS STORAGE

WJ652117  
UTM COORDINATES

2054N 10537E  
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE LIES 1.7 NM EAST OF XUAN MAI, IMMEDIATELY SOUTH OF ROUTE 6. IT CONSISTS OF 2 AREAS, SEPARATED BY A SECONDARY ROAD, EACH CONTAINING 5 BUNKERS WITH 3 LARGE TANKS PER BUNKER. ESTIMATED CAPACITY IS 750 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

IT IS WITHIN SA-2 MISSILE RANGE (17.5 NM) OF IDENTIFIED SAM SITES. AAA ACTIVITY HAS BEEN IDENTIFIED WITHIN 3 NM. SMALL ARMS FIRE IS ANTICIPATED AGAINST AIRCRAFT.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

25X1C

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25X1

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May 1967

DONG XUAN PETROLEUM PRODUCTS STORAGE

WF493693  
UTM COORDINATES

1842N 10528E  
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE IS GENERALLY SE OF DONG XUAN, NORTH OF ROUTE 15, AND APPROXIMATELY 1.5 NM NORTH OF THE SONG CA. IT CONTAINS AT LEAST 40 SEPARATELY BURIED TANKS, 2 TANKS IN AN OPEN EXCAVATION, AND 15 EMPTY EXCAVATIONS, ALL OF WHICH ARE WIDELY DISPERSED ALONG A SECONDARY ROAD NETWORK NORTH OF ROUTE 15. ESTIMATED CAPACITY IS 504 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

IT IS WITHIN SA-2 MISSILE RANGE (17.5 NM) OF IDENTIFIED SAM SITES. AAA ACTIVITY HAS BEEN IDENTIFIED WITHIN 3 NM. SMALL ARMS FIRE IS ANTICIPATED AGAINST AIRCRAFT.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

25X1C

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25X1

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VINH PETROLEUM PRODUCTS

DERGROUND

WF715632  
UTM COORDINATES

1839N 10540E  
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THE STORAGE SITE IS IN THE SE SECTION OF VINH, IN THE VINH CENTRAL MARKET. IT CONTAINS 6 LARGE BUNKERED TANKS WITH APPROXIMATELY ONE-HUNDRED 55-GALLON-TYPE DRUMS AND FIFTY 30-GALLON-TYPE DRUMS STACKED ADJACENT TO A STREAM. ESTIMATED CAPACITY IS 126 MT IN TANKS AND 21 MT IN DRUMS.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

IT IS WITHIN SA-2 MISSILE RANGE (17.5 NM) OF IDENTIFIED SAM SITES. AAA ACTIVITY HAS BEEN IDENTIFIED WITHIN 3 NM. SMALL ARMS FIRE IS ANTICIPATED AGAINST AIRCRAFT.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 1 - 2 WEEKS WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

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X-B191

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## ANNEX II

25X1A

Installation Name	Capacity	
	MT Water	MT POL
Viet Tri Petroleum Products Storage	25	21
Phuc Yen Airfield POL Storage Area	4,200	3,530
Hia Gia Petroleum Products Storage SSW UG	9,188	7,718
Hia Noi Petroleum Products Storage Thanh Am	600	504
Nguyen Khe Petroleum Products Storage	5,925	4,977
Bac Giang Petroleum Products Storage	1,900	1,596
Nam Dinh Petroleum Products Storage	13,120	11,021
Hai Phong Petroleum Products Storage	48,348	40,612
Duong Nham Petroleum Products Storage	--	--
Do Son Petroleum Products Storage	--	--
Phu Van POL Storage	--	--
Vinh Petroleum Products Storage	1,600	1,344
Phu Qui Petroleum Products Storage	9,000	7,560
Ha Noi/Gia Lam Airfield POL Storage Area	850	714
La Danh Petroleum Products Storage PUG	2,359	1,982
Van Lung Petroleum Products Storage UG	352	295
Van Lung Petroleum Products Storage West UG	84	71
Hoang Mai POL Storage Area	300	252
Hia Noi Petroleum Products Thi Cam	468	393
Bai Thuong Petroleum Products Storage UG Southeast	756	635
Son La Petroleum Products Storage	384	323
Thuong Thon Petroleum Products Storage UG	--	--
Ngoc Son Petroleum Products Storage PUG	348	292
Thai Lai Petroleum Products Storage	120	101
Yen Hau Petroleum Products Storage PUG	192	161
Thanh Lang Petroleum Products Storage PUG	1,044	877
Ha Noi Petroleum Products Storage UG Thanh Liet (Area 1)	516	433
Ha Noi Petroleum Products Storage UG Thanh Liet (Area 2)	120	101
Bang So Petroleum Products Storage PUG	234	197
Son Chau Petroleum Products Storage PUG	336	282
Can Thon Petroleum Products Storage	3,100	2,604
Ha Noi Petroleum Products Storage Duc Noi (Area 1)	1,108	931
Ha Noi Petroleum Products Storage Duc Noi (Area 2)	849	713
Ha Noi Petroleum Products Storage Duc Noi (Area 3)	300	252
Ha Noi Petroleum Products Storage Duc Noi (Area 4)	132	111

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## ANNEX II (Continued)

25X1A

	Installation Name	Capacity	
		MT Water	MT POL
	Cu Van Petroleum Products Storage	2,175	1,827
	Cu Van Petroleum Products Storage East UG	1,300	1,092
	Dao Quan Petroleum Products Storage East	444	373
	Dao Quan Petroleum Products Storage West	360	302
	Nam Dinh Petroleum Products Storage PUG	300	252
	Thai Nguyen Petroleum Products Storage PUG South	1,320	1,109
	Phuc Yen Airfield POL Storage Area 1	300	252
	Phuc Yen Airfield POL Storage Area 2	750	630
	Xom Duong Quan Petroleum Products Storage UG East	72	60
	Xom Duong Quan Petroleum Products Storage UG	43	36
	Nui Tap Tinh POL Storage Area	26.6	22.3
	Sac Le POL Storage Area	168	141
	Phu Dong POL Storage Area	420	352
	Thuan Le POL Storage Area	273	229
	Phuc Loc Petroleum Products Storage	156	131
	Thanh Hoa POL Storage Area	118	99
	Ba Don Petroleum Products Storage	84	71
	Phuc Loi Petroleum Products Storage Navy	300	252
	Tho Trang Petroleum Products Storage	250	210
	Ninh Giang Petroleum Products Storage	324	272
	Viet Yen Petroleum Products Storage	1,440	1,210
	Kep Ha Petroleum Products Storage	96	81
	Tien Hoi Petroleum Products Storage	468	393
	Dong Mai Petroleum Products Storage	276	232
	Xom Lang POL Storage	312	262
	Van Hoa POL Storage	144	121
	Phu Lo Petroleum Products Storage NNE UG	228	192
	Jaune Island POL Storage	48	40
	Co Nhue Vien POL Storage	312	262
	Quang Suoi Petroleum Products Storage	148	124
	Trung Phu Petroleum Products Storage	184	155
	Gia Hoa Petroleum Products Storage PUG	132	111
	Bai Chay Petroleum Products Storage	53	45
	Vinh Petroleum Products Storage Yen Thinh	132	111
	Ba Don Petroleum Products Storage UG West	99	83
	Bac Ninh Petroleum Products Storage	204	169
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ANNEX II (Continued)

25X1A

	Installation Name	Capacity	
		MT Water	MT POL
	Tri Binh Petroleum Products Storage	48	40
	Xuyen Duong Petroleum Products Storage	--	--
	Cau Cong Petroleum Products Storage	384	323
	Tung Tu Petroleum Products Storage UG	375	315
	Don Son Petroleum Products Storage	744	625
	Quy Khe Petroleum Products Storage	1,344	1,129
	Tran Xa Petroleum Products Storage	1,250	1,050
	Than Hoa Petroleum Products Storage	84	71
	Tram Du Petroleum Products Storage	1,050	882
	Luc Nong Petroleum Products Storage	720	605
	Thai Nguyen Petroleum Products Storage	99	83
	Tien Nong Petroleum Products Storage	420	353
	Vinh Petroleum Products Storage PUG Ben Thuy	168	141
	Chi Linh Petroleum Products Storage	1,728	1,452
	Vinh Petroleum Products Storage PUG Yen Dai	72	60
	Hoang Pha Petroleum Products Storage	240	202
	Kien An POL Storage	288	242
	Phu Thi Petroleum Products Storage	360	302
	Phuc Yen Petroleum Products Storage	72	60
	Vinh Petroleum Products Storage North UG	96	81
	Mach Trang Petroleum Products Storage	112	94
	Tram Bac Petroleum Products Storage	1,275	1,071
	Nam Lo Petroleum Products Storage	1,000	840
	Ha Noi Petroleum Products Storage Duc Noi (Area 5)	261	219
	Lai Son Petroleum Products Storage	661	555
	Phu Xa Petroleum Products Storage	200	168
	Hoa Loan Petroleum Products Storage	108	91
	Tu Hoang Petroleum Products Storage	175	148
	Tay Tuu Petroleum Products Storage East	325	273
	Nguyen Khe Petroleum Products Storage	36	30
	Cap Dien Petroleum Products Storage	216	181
	Vinh Petroleum Products Storage PUG North No 2	375	315
	Xom Thap Petroleum Products Storage	180	151
	Vinh Petroleum Products Storage PUG North No 3	54	45
	Cu Hap Petroleum Products Storage	100	84
	Xuan Mai Petroleum Products Storage	750	630
	Dong Xuan Petroleum Products Storage	504	423
	Vinh Petroleum Products Storage SE PUG	147	124

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CU HAP PETROLEUM PRODUCTS STORAGE	1729 N 10629 E B185, X-B185	
GIAP NHAT POL TRANSSHIPMENT AREA	1737 N 10622 E D55	
XOM LANG POL STORAGE	1737 N 10626 E B91, X-B91	
BA DON PETROLEUM PRODUCTS STORAGE UG WEST	1745 N 10625 E B111, X-B111	
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NHO LAM POL DRUM TRANSSHIPMENT AREA	1856 N 10535 E D13	
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May 1967

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HA NOI PET PROD STOR UG THANH LIET (AREA 2)	2058	N 10548	E B27, X-B27
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NAM DINH PETROLEUM PRODUCTS STORAGE PUG	2026	N 10613	E B51, X-B51
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HAI PHONG TANK FABRICATION SHOP EAST	2050	N 10641	E D57
TRAM BAC PETROLEUM PRODUCTS STORAGE	2051	N 10635	E B159, X-B159
PHU XA PETROLEUM PRODUCTS STORAGE	2051	N 10644	E B167, X-B167
HAI PHONG PETROLEUM PRODUCTS STORAGE	2052	N 10639	E A15, X-A15
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CONG MY TRANSSHIPMENT FAC AND POL BARGES	2053	N 10637	E D39
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TIEN NONG PETROLEUM PRODUCTS STORAGE	2055	N 10633	E B139, X-B139
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THAI LAI PETROLEUM PRODUCTS STORAGE	2055	N 10637	E B19, X-B19
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THANH LANG PETROLEUM PRODUCTS STORAGE PUG	2058	N 10636	E B23, X-B23
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HA NOI PETROLEUM PRODUCTS THI CAM	2101	N 10545	E B9, X-B9
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HA NOI PROBABLE POL TANK FABRICATION AREA 2	2101	N 10549	E D5
HA NOI POL TANKS	2101	N 10550	E D47
PHU THI PETROLEUM PRODUCTS STORAGE	2101	N 10558	E B151, X-B151
HANOI/GIA LAM AIRFIELD POL STORAGE AREA	2102	N 10553	E A27, X-A27
TAY TUU PETROLEUM PRODUCTS STORAGE EAST	2103	N 10544	E B173, X-B173
TU HOANG PETROLEUM PRODUCTS STORAGE	2103	N 10544	E B171, X-B171
CO NHUE VIEN POL STORAGE	2103	N 10546	E B99, X-B99
HA NOI PETROLEUM PRODUCTS STORAGE THANH AM	2103	N 10553	E A7, X-A7
PHU DONG POL STORAGE AREA	2103	N 10556	E B67, X-B67
THUY PHUONG POL STORAGE TANKS	2105	N 10546	E D1
MACH TRANG PETROLEUM PRODUCTS STORAGE	2106	N 10551	E B157, X-B157

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25X1

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CAP DIEN PETROLEUM PRODUCTS STORAGE	2103	N 10618	E B177, X-B177
TRAN XA PETROLEUM PRODUCTS STORAGE	2103	N 10619	E B129, X-B129
NUI TAP TINH POL STORAGE AREA	2103	N 10648	E B63, X-B63
CHI LINH PETROLEUM PRODUCTS STORAGE	2104	N 10619	E B143, X-B143
DONG MAI PETROLEUM PRODUCTS STORAGE	2104	N 10629	E B89, X-B89
BAC NINH PETROLEUM PRODUCTS STORAGE	2109	N 10604	E B113, X-B113
HOANG MAI POL STORAGE AREA	2114	N 10606	E B7, X-B7
BAC GIANG PETROLEUM PRODUCTS STORAGE	2116	N 10611	E A11, X-A11
TRUNG PHU PETROLEUM PRODUCTS STORAGE	2122	N 10619	E B103, X-B103
CAN THON PETROLEUM PRODUCTS STORAGE	2123	N 10618	E B33, X-B33
KEP HA PETROLEUM PRODUCTS STORAGE	2123	N 10639	E B85, X-B85
DAO QUAN PETROLEUM PRODUCTS STORAGE WEST	2125	N 10611	E B49, X-B49
DAO QUAN PETROLEUM PRODUCTS STORAGE EAST	2126	N 10612	E B47, X-B47
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JAUNE ISLAND POL STORAGE	2102	N 10722	E B97, X-B97
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25X1C

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25X1

25X1

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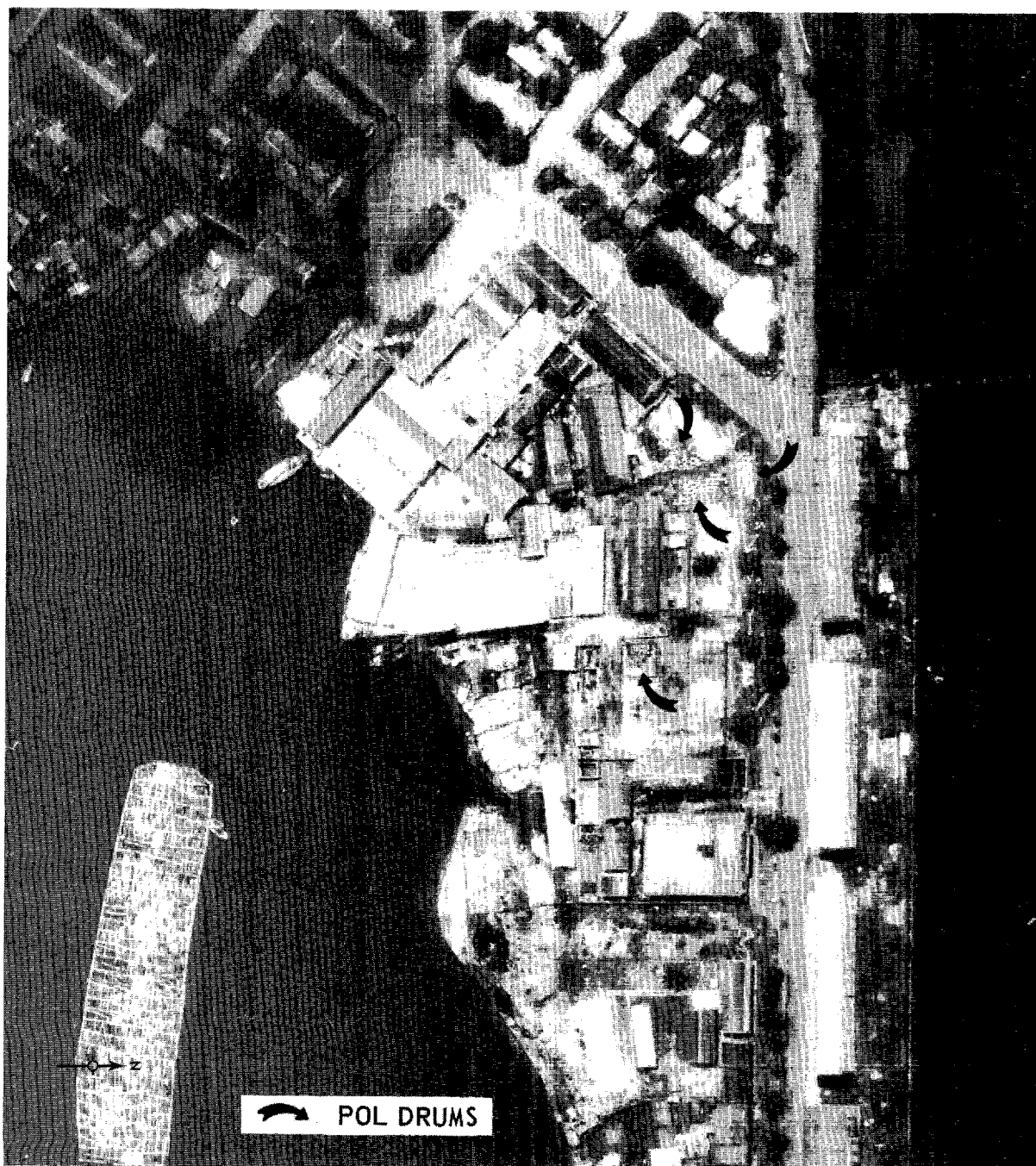
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R-218/66

YJ168177  
UTM COORDINATES

HON GAI POL DRUM STORAGE

2056N 10705E  
GEOGRAPHIC COORDINATES



25X1C

C6

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25X1

25X1A

WG816938 WG813933  
UTM COORDINATES

1950N 10546E  
GEOGRAPHIC COORDINATES

NAME: THANH HOA PETROLEUM PRODUCTS STORAGE NORTH

LOCATION: 1.9 NM NORTH OF THANH HOA AND IMMEDIATELY EAST OF ROUTE 119

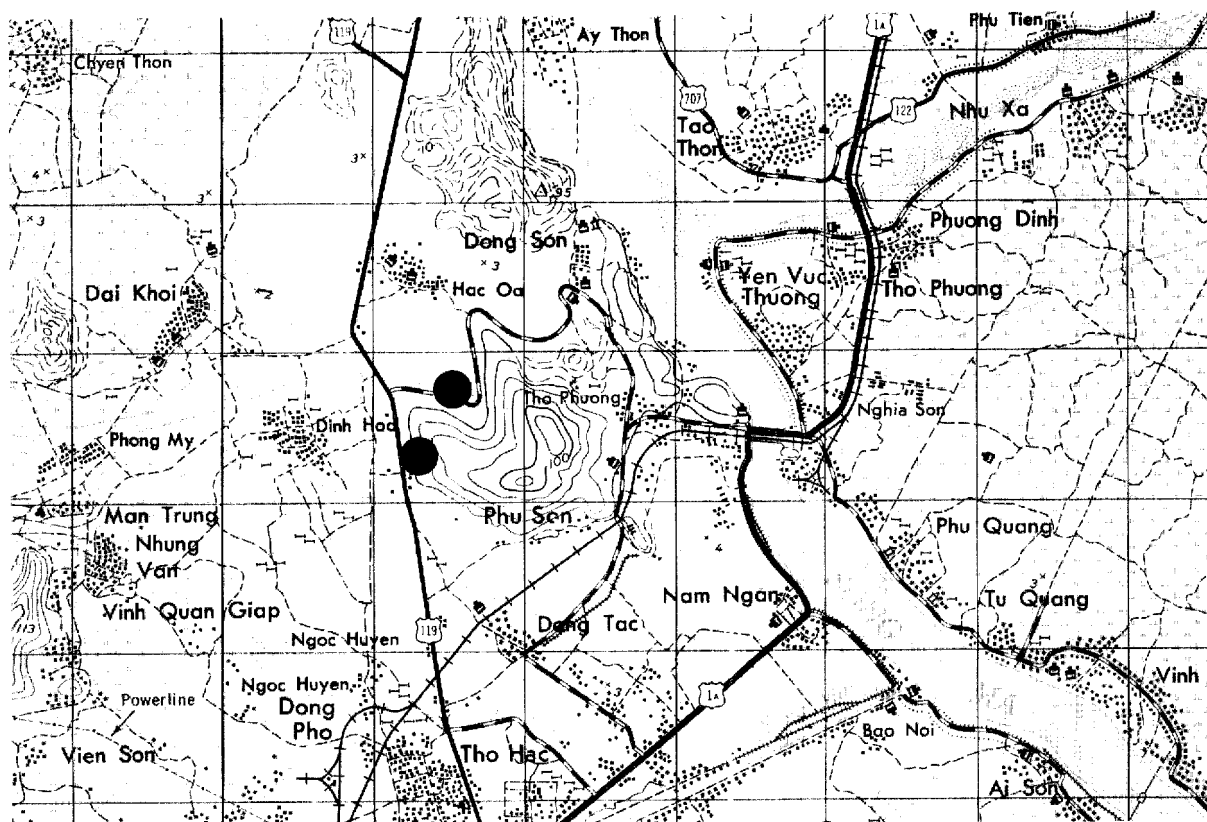
25X1D

DESCRIPTION: FACILITY, [REDACTED] CONSISTS OF 2 AREAS AND IS A PROBABLE POL DISTRIBUTION POINT. SOUTH AREA CONTAINS AT LEAST 5 STANDARD AND 4 LARGE BUNKERED TANKS AND APPROXIMATELY 50 DRUMS. NORTH AREA CONTAINS AT LEAST 570 DRUMS, MAINLY IN 8 PROTECTIVE OPEN EXCAVATIONS AND IN OPEN STACKS ALONG ROUTE 119 AND SECONDARY ROADS, 1 STANDARD AND 1 SMALL TANK, AND 11 EMPTY EXCAVATIONS.

ESTIMATED CAPACITY: TANK 179 MT DRUM 124 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6148-I, 1ST ED, 1965 (U)  
AMS SERIES JOG(G) 1501, SHEET NE 48-3, 1ST ED, JUN 65 (U)

25X1D



25X1C

C7

25X1

25X1C  
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010035-0

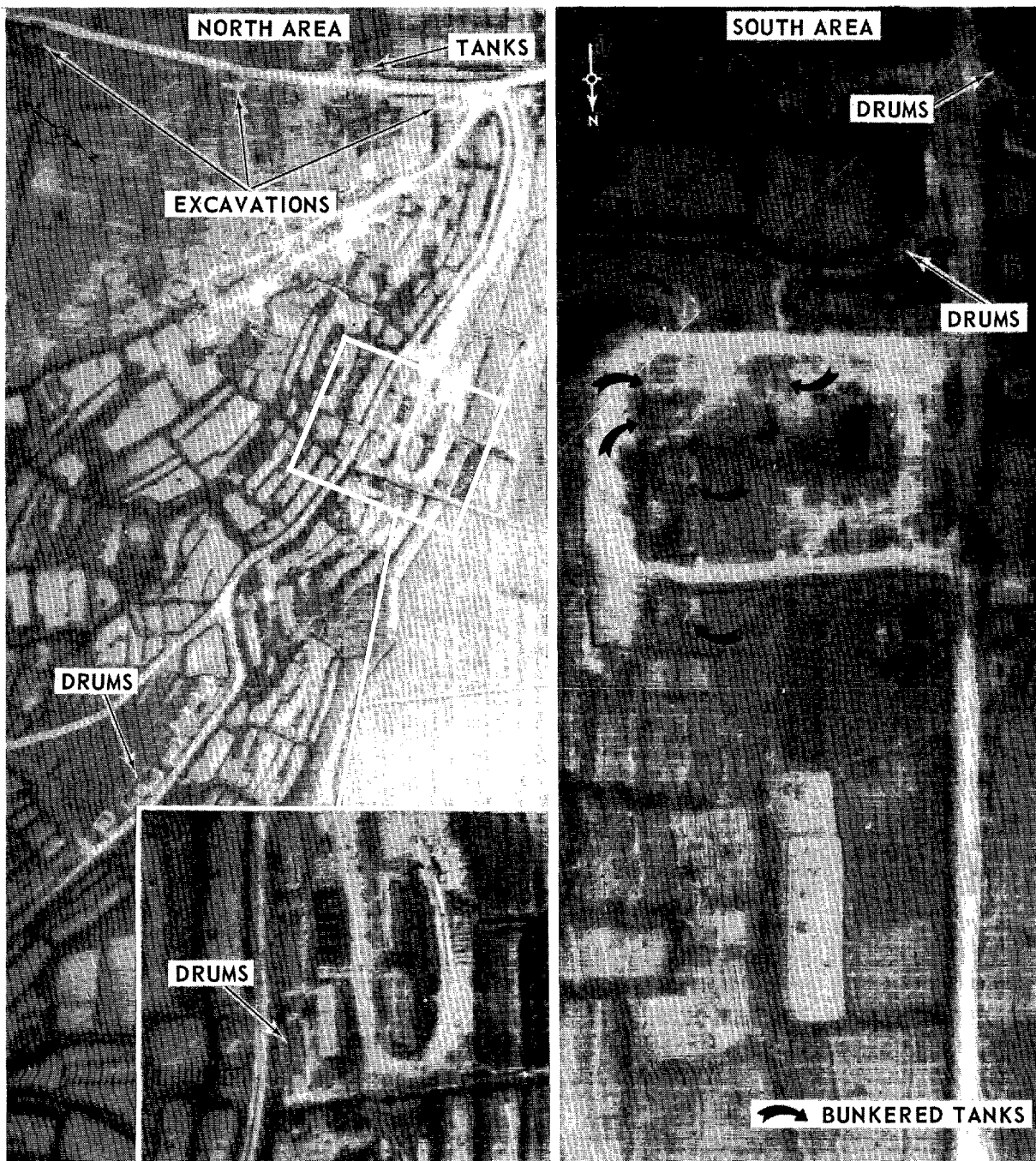
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K-210/00  
4 May 1967

THANH HOA PETROLEUM PRODUCTS STORAGE NORTH

WG816938 WG813933  
UTM COORDINATES

1950N 10546E  
GEOGRAPHIC COORDINATES



C8

25X1C  
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CONFIDENTIAL

25X1

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R-218/66

0616-  
 BE NUMBER

XH865915 XH866917  
 UTM COORDINATES

2043N 10647E  
 GEOGRAPHIC COORDINATES

**NAME:** DO SON POL DRUM STORAGE

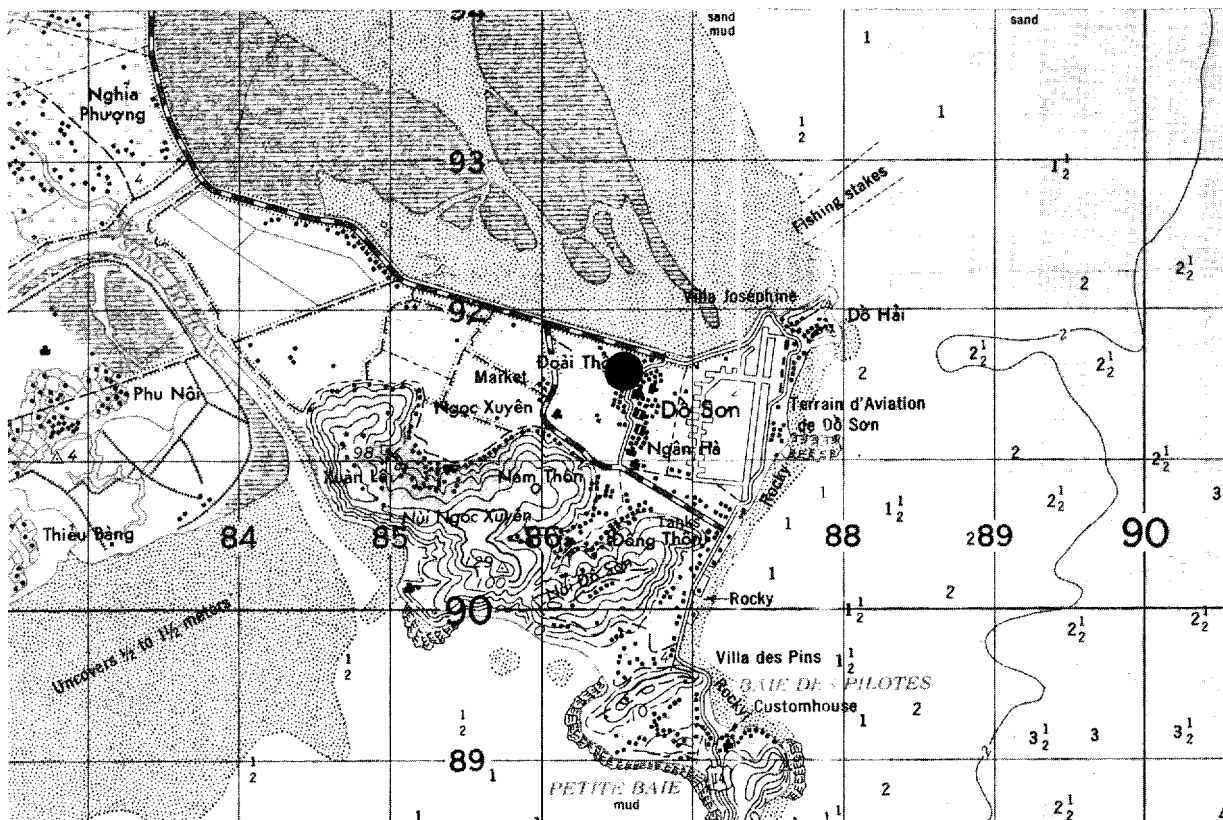
**LOCATION:** ON THE WEST EDGE OF DO SON

**DESCRIPTION:** AT LEAST 1,900 POL DRUMS IN 2 OPEN STORAGE AREAS. SOME OF THE DRUMS HAVE A NET COVERING.

**ESTIMATED CAPACITY:** DRUM 380 MT

**MAP REFERENCES:** AMS SERIES L7014, SHEET 6350 II, 1ST ED, 1965 (U)  
 AMS SERIES JOG(G) 1501, SHEET NF 48-16, 1ST ED, JUN 65 (U)

25X1D



25X1C

C9

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25X1C

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25X1

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	Ha Noi Probable POL Tank Fabrication Area 2	D5, D6
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	Thanh Thuy POL Tanks	D9, D10
	Lang Khe POL Storage Area Under Construction	D11, D12
	Nho Lam POL Drum Transshipment Area	D13, D14
	Phuc Yen POL Truck Dispersal Area	D15, D16
	Sac Le POL Tanks	D17, D18
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25X1A

25X1C

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25X1

25X1C

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0616-  
BE NUMBER

WJ809323  
UTM COORDINATES

2105N 10546E  
GEOGRAPHIC COORDINATES

**NAME:** THUY PHUONG POL STORAGE TANKS

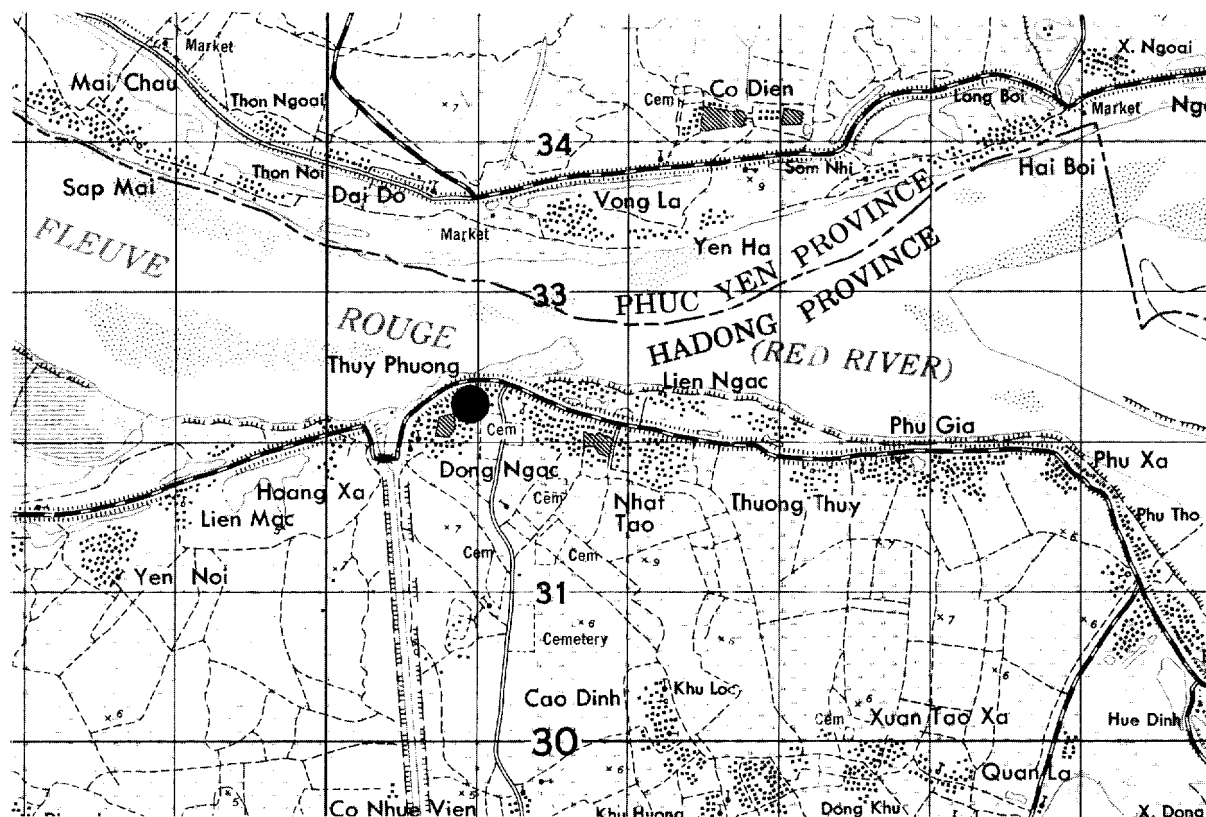
**LOCATION:** NE SECTION OF THUY PHUONG AND 5.3 NM NW OF HA NOI

**DESCRIPTION:** SITE CONTAINS A TOTAL OF 65 (55 STANDARD AND 10 LARGE) TANKS IN RANDOM STORAGE. THIRTY-SIX UNASSEMBLED TANK SECTIONS APE ALSO OBSERVED. NO PERMANENT POL STORAGE FACILITY IS APPARENT AT THIS SITE.

ESTIMATED CAPACITY: NOT APPLICABLE

MAP REFERENCES: AMS SERIES L701, SHEET 6174 II, 3D ED, APR 63 (U)  
5X1D AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

25X1D



25X1C

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25X1

25X1C  
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March 1967

25X1

GIAP NHAT POL TRANSSHIPMENT AREA

XE457496  
UTM COORDINATES

1737N 10622E  
GEOGRAPHIC COORDINATES



D56

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25X1C  
CONFIDENTIAL

25X1

BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
0616-	XJ764058	2050N 10641E

**NAME:** HAI PHONG TANK FABRICATION SHOP EAST

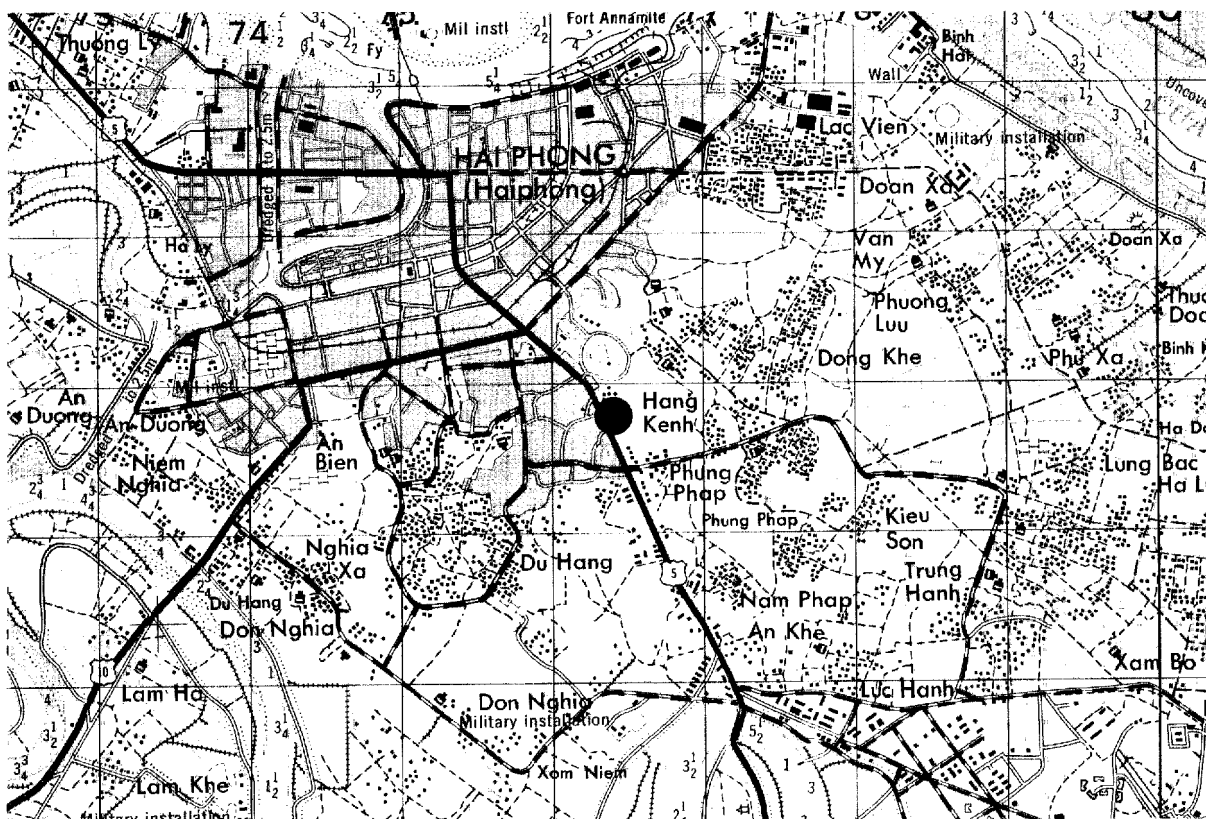
**LOCATION:** SE EDGE OF HAI PHONG, EAST OF ROUTE 5

**DESCRIPTION:** AREA IS A TANK FABRICATION OR TANK REPAIR SHOP POSSIBLY ASSOCIATED WITH A NEARBY VEHICLE MAINTENANCE FACILITY. THIRTY-FIVE LARGE AND 45 STANDARD TANKS AND 12 UNASSEMBLED TANK SECTIONS ARE OBSERVED IN OR NEAR THE SHOP AREA. (STOCKPILES OF PIPES/POLES ARE APPARENT ON GRAPHIC.)

**ESTIMATED CAPACITY:** NOT APPLICABLE

**MAP REFERENCES:** AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)

25X1D AMS SERIES JOG(G) 1501, SHEET NF 48-16, 1ST ED, JUN 65 (U)



D57

25X1C

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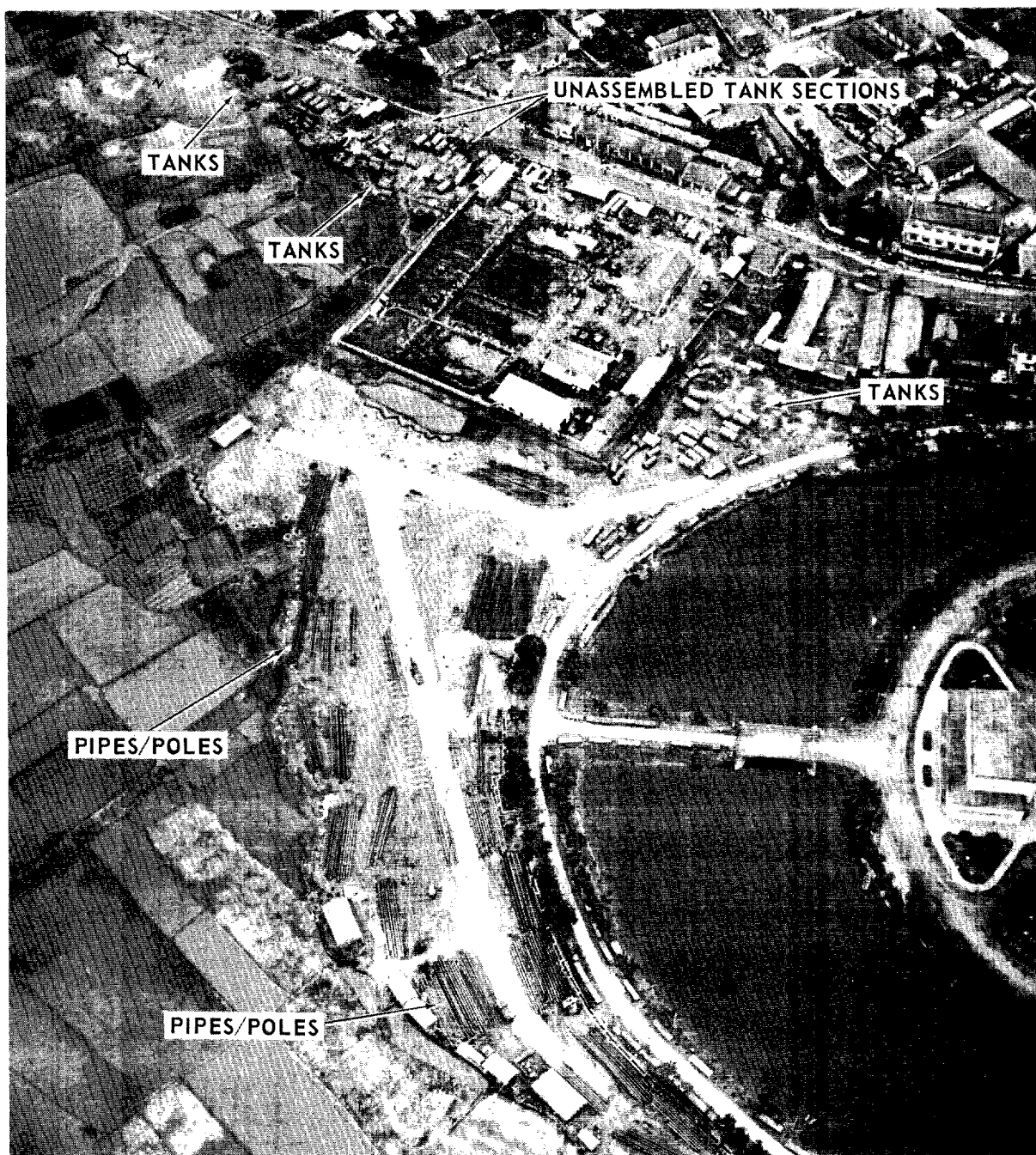
May 1967

25X1

HAI PHONG TANK FABRICATION SHOP EAST

XJ764058  
UTM COORDINATES

2050N 10641E  
GEOGRAPHIC COORDINATES



25X1C

D58

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Nguyen Khe Petroleum Products Storage (JCS-51.0)	X-A9
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25X1

25X1C SECRET R-218/66  
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 DO SON PETROLEUM PRODUCTS STORAGE  
 JCS-51.13

XH871905  
 UTM COORDINATES

25X1A

2042N 10647E  
 GEOGRAPHIC COORDINATES

#### PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE IS ON THE DO SON PENINSULA, 0.5 NM SE OF DO SON, AND ABOUT 10.8 NM SE OF HAI PHONG. PRIOR TO STRIKE, IT CONTAINED 2 CYLINDRICAL STORAGE TANKS 55 FEET IN DIAMETER SURROUNDED BY FIREWALLS, 2 PROBABLE SMALL TANKS 10 - 15 FEET IN DIAMETER, AND AT LEAST 2 SUPPORT BUILDINGS. THE AREA IS SERVED BY ROAD AND POSSIBLY BY WATER. IT HAD AN ESTIMATED PRE-STRIKE CAPACITY OF 3,400 MT.

THIS SITE IS BELIEVED TO SUPPORT HOUSEHOLD AND OTHER CIVILIAN CONSUMERS IN THE PENINSULAR AREA, AS WELL AS ANY NEARBY MILITARY FORCES. IT MAY HAVE A VERY LIMITED BARGE OR COASTAL TANKER LOADING CAPABILITY.

IT IS WITHIN SA-2 MISSILE RANGE (17.5 NM) OF IDENTIFIED SAM SITES. AAA ACTIVITY HAS BEEN IDENTIFIED WITHIN 3 NM. SMALL ARMS FIRE IS ANTICIPATED AGAINST AIRCRAFT.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE A PERIOD OF SEVERAL MONTHS OR POSSIBLY MUCH LONGER. NORTH VIETNAM IS NO LONGER KNOWN TO BE MANUFACTURING TANK COMPONENTS, APPROPRIATE STEEL TUBING, PIPING, PUMPS, OR OTHER EQUIPMENT BASIC TO THE CONSTRUCTION OR MAINTENANCE OF POL STORAGE FACILITIES. THE EXISTING RELIANCE ON IMPORTED MATERIALS AND SKILLS IS EXPECTED TO CONTINUE INDEFINITELY. ALTHOUGH PREFABRICATED TANKS OF SOVIET DESIGN CAN BE INSTALLED AT A PREPARED SITE IN ABOUT A WEEK, IT IS UNLIKELY THAT EITHER THE SOVIETS OR THE COMMUNIST CHINESE COULD PLACE ALL THE NECESSARY ELEMENTS TOGETHER IN LESS THAN 4 WEEKS.

#### BOMB DAMAGE ASSESSMENT

CUMULATIVE ASSESSMENT OF AIR STRIKES INCLUDES THE DESTRUCTION OF THE 2 LARGE TANKS AND BOTH SMALL PROBABLE TANKS; A SMALL SHED BETWEEN THE TWO LARGE TANKS HAS BEEN DESTROYED OR DISMANTLED. THE SITE HAS NO STORAGE CAPABILITY AT THIS TIME.

25X1C

PREPARED BY DEFENSE INTELLIGENCE AGENCY  
 X-A19

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25X1

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25X1A

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25X1C

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YEN HAU PETROLEUM PRODUCTS STORAGE PARTLY UNDERGROUND

25X1C

25X1A

WG593166  
UTM COORDINATES

1908N 10534E  
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS ROAD-SERVED STORAGE SITE IS 0.5 NM NNW OF YEN HAU, 0.3 NM EAST OF ROUTE 116, AND 4 NM EAST OF ROUTE 1A. PHOTOGRAPHY OF [REDACTED] REVEALED 50 BUNKERED TANKS WITH A CAPACITY OF 600 MT, 2,000 POL DRUMS WITH A CAPACITY OF 400 MT, AND 20 OPEN EXCAVATIONS.

25X1

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

IT IS WITHIN SA-2 MISSILE RANGE (17.5 NM) OF IDENTIFIED SAM SITES. NO AAA ACTIVITY HAS BEEN IDENTIFIED WITHIN 3 NM. SMALL ARMS FIRE IS NOT ANTICIPATED AGAINST AIRCRAFT.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

BOMB DAMAGE ASSESSMENT

THE TARGET WAS STRUCK ON 15, 24, 25, 27, 29, AND 30 AUGUST 1966 BY 14 USN AIRCRAFT. ORDNANCE EXPENDED CONSISTED OF 5/2000#GP, 21/1000#GP, 15/500#GP, AND 6/250#GP BOMBS.

PHOTOGRAPHY [REDACTED] REVEALS A PROBABLE ATTEMPT TO RECLAIM STORAGE TANKS AND POL WITH 45 OPEN EMPTY EXCAVATIONS AND 16 UNCOVERED TANKS IN EXCAVATIONS. ESTIMATED POST-STRIKE CAPACITY IS 192 MT.

25X1

25X1C

PREPARED BY DEFENSE INTELLIGENCE AGENCY  
X-B21

SECRET